

# VILLAGE OF WAUCONDA REGULAR VILLAGE BOARD MEETING 101 N. MAIN STREET, WAUCONDA, IL

# TUESDAY, DECEMBER 20, 2016 7:00 P.M.

# **AGENDA**

- 1. CALL TO ORDER
- 2. PLEDGE OF ALLEGIANCE
- 3. ROLL CALL
- 4. RECOGNITION/PRESENTATIONS
  - A. Big Ten Class 5A Middleweight Football Champions Bulldog Youth Sports
  - B. Letter to Santa Contest Winner
  - C. Tree Decorating Contest Winner
- 5. OATH OF OFFICE PATROL OFFICER ROLANDO RUIZ
- 6. PUBLIC COMMENT: Citizens wishing to address the Village Board on any topic of Village business may do so during the public comment section near the beginning of the agenda after requesting to speak by providing name, address, and contact information on the sign-in form near the entrance to the Board room. Citizens wishing to address the public body on any specific item that appears under new business on the agenda will have an opportunity to do so when that agenda item is under consideration if they have requested to address the Board on the topic by completing the sign-in form located near the entrance to the Board Room prior to the start of the meeting. Please keep remarks concise. Individual speakers will be limited to three minutes. All audience participation must be recognized by the Mayor including questions to other Board members, staff or petitioners. When there is a controversial issue or large group present, the Mayor may limit the total amount of time allocated to those who want to speak and all who speak are asked to comply with the established time limit.
- 7. APPROVAL OF AGENDA

(Last Ordinance No. was 2016-O-34) (Last Resolution No. was 2016-R-10)

- 8. MOTION TO APPROVE CONSIDERATION OF CONSENT AGENDA BY OMNIBUS VOTE
- 9. CONSENT AGENDA
  - A. Bills for Payment from November 30, 2016 through December 13, 2016 in the Amount of \$219,383.87 (Pgs. 3-32)
  - B. Minutes of the December 6, 2016 Regular Village Board Meeting

(Pgs. 33-36)

C. 2017 Meeting Schedule

(Pg. 37)

# 10. MOTION TO APPROVE ITEMS A THROUGH C ON THE CONSENT AGENDA

### 11. OLD BUSINESS

- A. Consideration and Approval of an Ordinance Amending Title IX General Regulations of the Village of Wauconda for Ice Fishing and Operation of Motorized Vehicles on Bangs Lake When Frozen (Pgs. 38-48)
- B. Consideration and Approval of a Resolution Approving Change Order No. 1 in the Credit Amount of (\$119.50) and the Final Pay Request to Copenhaver Construction, Inc. in the

Amount of \$33,429.00 for the Bangs Lake Drain and 555 Willow Road Streambank Stabilization Project (Pgs. 49-53)

# 12. NEW BUSINESS

- A. (Discussion) Presentation on the Street Light Replacement Program. (Pgs. 54.62)
- B. (Action) Renewal of Workers' Compensation, Property, Vehicle and Liability Insurance for the 2017 Calendar Year (Pgs. 63-64)
- C. (Action) Consideration and Approval of an Engineering Services Agreement with RHMG for the Refurbishment of the Hollow Hill Lift Station in an Amount Not-to-Exceed \$19,975 (Pgs. 65-69)
- D. (Discussion) Update on the Lake Michigan Water Project
- E. (Action) Request for Authorization to Deposit Funds with the Central Lake County Joint Action Water Agency (CLCJAWA) in an Amount Not-to-Exceed \$2,149,921 (Pgs. 70-78)
- F. (Action) Consideration and Approval of an Amendment (No. 1) to Engineering Services Agreement with RHMG Engineers, Inc. for the Lake Michigan Water Internal Improvements Project Phase 3 in the Amount of \$35,312 for a Total Not-to-Exceed Amount of \$227,859
- G. (Action) Consideration and Approval of an Ordinance Amending Title XIII, Chapter 130:
  Offenses Against the Person Requiring the Registration of Sex Offenders with the Wauconda
  Police Department (Pgs. 85-88)
- H. (Action) Consideration and Approval of a Proposal from B & W Control Systems Integration for the Dissolved Oxygen (DO) Probe Replacement Project in the Wastewater Treatment Division in an Amount Not-to-Exceed \$32,500 (Pgs. 89-95)

### 13. MAYOR'S REPORT

# 14. COMMITTEE REPORTS & TRUSTEE COMMENTS

# 15. ADJOURNMENT

Posted 12/16/2016

The Mayor and Board of Trustees welcome you to the "Regular Village Board Meeting". These meetings take place the first and third Tuesday of every month. During Regular Board meetings, a consent agenda is presented to the Board for a vote. All items under the consent agenda are considered to be settled and will be enacted by one motion. There will be no additional discussion of these items unless there is a request by a Board member.

The documents provided with the Board Meeting agenda are for informational purposes only. Until or unless the Village Board votes on a matter contained on the agenda, the matter is not final.



Accounts Payablable Period: 11/30/16 - 12/13/16

The President and Board of Trustees of the Village of Wauconda approves Warrant, as stated below and authorizes the Village Treasurer to forward payment this \_\_20th\_\_ day of December, 2016.

ATTEST:		President		
Clerk				
		RECAPITULATION		
Manual Checks and ACH Paymen	ts			
Vendor	<u>Fund</u>	<u>Description</u>	Amount	CK NO.
			<del>+</del> 3	ACH
	General Fund			
	G/F Restricted			
	W/S Fund			
	W/S Restricted			
	General Fund			
Manuel Check- National Business Furn.	General Fund	Office Furniture for P.D.	\$5,469.04	87327
Manuel Check- Overflow Entertain.	General Fund	Promotional Video for Village	\$1,250.00	87310
Village Accounts Payable		Total Combined Fund	6,719.04	
General Fund	\$114,850.46	General Fund Restricted		
Water Sewer Fund	\$49,635.76			
TIF		Northwater Project		
Lake Michigan Water	\$48,038.26			
Audit Fund		 Marine Fund	\$140.35	
Road Bond			φ <u>1</u> 40.33	
		Total Automated AP	\$212,664.83	
		TOTAL ACCOUNTS PAYABLE	\$219,383.87	

Vacation, Sick, Comp Payouts 12/6/16 Gross Payroll 12/9/16

\$151,299.17 \$224,925.64

# Accounts Payable

# Checks by Date - Summary by Check Date

User:

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Check No	Vendor No	Vendor Name	Check Date	Check Amount
87328	SEQCOFAM	Sewer Equipment of Illinois	12/20/2016	59.38
87329	EVERB	EverBank Commercial Finance	12/20/2016	866.74
87330	ATOZENCO	A To Z Engraving Co. Inc.	12/20/2016	132.00
87331	ACEHARD	Ace Hardware	12/20/2016	1,340.69
87332	ADAMSTEE	Adams Steel Service Inc.	12/20/2016	41,58
87333	ADAMRA	Adams, R.A. Enterprises, Inc	12/20/2016	593.72
87334	ALLIANCE	Alliance Auto Sales	12/20/2016	772.82
87335	AMERLEGA	American Legal Publishing Corp.	12/20/2016	534.96
87336	ATLASBOB	Atlas Bobcat, LLC	12/20/2016	65.77
87337	AUTOSERV	Automation Service & Design, Inc	12/20/2016	240.00
87338	BAKERP	Baker, Peter & Son Company	12/20/2016	48.48
87339	BATTPLUS	Batteries Plus	12/20/2016	33.90
87340	BAXTERWO	Baxter and Woodman	12/20/2016	1,880.00
87341	BERRYTIR	Berry Tire & Auto	12/20/2016	543,24
87342	BUMPER	BUMPER TO BUMPER	12/20/2016	102.33
87343	CAHILLHE	Cahill Heating, Air, & Electric Service Inc,		2,480.00
8734 <del>4</del>	CARDMEMI	Cardmember Service	12/20/2016	4,335.89
87345	City Ele	City Electric Supply (C.E.S.)	12/20/2016	288.75
87346	COMCAST3	Comcast Business	12/20/2016	294.66
87347	COMCASTC	Comcast Cable	12/20/2016	306.74
87348	COMED3	ComEd	12/20/2016	895.06
87349	COMEDPO	ComEd	12/20/2016	193.30
87350	CONCETOP	Concept to Project Management LLC	12/20/2016	2,249.54
87351	CONSFSIN	Conserv FS, Inc	12/20/2016	4,327.15
87352	СОЛРСО	Cooke, J. P. Company	12/20/2016	96.90
87353	COUNTRYS	Countryside Flower Shop	12/20/2016	935.77
87354	CUTLWORK	Cutler Workwear	12/20/2016	360.30
87355	<b>DOWEANF</b>	Don's Welding And Fabricating	12/20/2016	1,002.90
87356	DYNEGY	Dynegy Energy Services	12/20/2016	25,904.67
87357	<b>EDERCASE</b>	Eder, Casella and Company	12/20/2016	1,548.75
87358	<b>EMCHLORI</b>	Lori Emch	12/20/2016	53.84
87359	<b>EMPDIFFC</b>	Difference Card Employee Benefit Solution	12/20/2016	561.46
87360	ENVISYS	Environmental Systems Research Institute	12/20/2016	3,500.00
87361	JOANNART	JoAnn Freeman	12/20/2016	405.00
87362	GALLS, L	GALLS, LLC	12/20/2016	396.49
87363	GAASIN	Gasvoda & Associates, Inc.	12/20/2016	968.75
87364	GORDOFLE	Gordon Flesch Co., Inc.	12/20/2016	1,034.26
87365	GRAIWIN	Grainger, W.W. Inc.	12/20/2016	24.61
87366	HACHCOMI	Hach Company	12/20/2016	1,297.38
87367	HEINGAIN	Hendrix Industrial Gastrux Inc.	12/20/2016	63.18
87368	HISPWACO	Hinckley Spring Water Co.	12/20/2016	70.87
87369	HYSERE	Hydraulic Services & Repairs,Inc	12/20/2016	2,988.59
87370	ILFIPOLC	Illinois Fire & Police Commissioners Assoc		800.00
87371	IMPACTNE	Impact Networking, LLC	12/20/2016	292.63
87372	INTERBAT	Interstate All Battery Center	12/20/2016	47.60
87373	INTERSBI	Interstate Billing Service, Inc	12/20/2016	535.85
87374	J&DMECH	J & D Mechanical Industries, Inc.	12/20/2016	460.00
			,_,_,_	400.00

Check No	Vendor No	Vendor Name	Check Date	Check Amount
87375	JGUNIFOR	J.G. Uniforms, Inc.	12/20/2016	582.58
87376	KOSCFLAG	Kosco Flags	12/20/2016	208.25
87377	LAILTD	LAI, Ltd.	12/20/2016	339.80
87378	LAKECO4H	Lake County 4-H Club	12/20/2016	35.00
87379	LKCOUTTR	Lake County Treasurer	12/20/2016	1,031.04
87380	LECHNAND	Lechner and Sons Uniform Rental	12/20/2016	87.33
87381	LEXISNEX	LexisNexis Risk & Information	12/20/2016	43.00
87382	LION	LIONHEART CRITICAL POWER SPECI	12/20/2016	815.00
87383	MRUFLAOF	Magna, Rudolph F. Law Office Of	12/20/2016	14,641.87
87384	MCHEANW	McHenry Analytical Water	12/20/2016	760.00
87385	MENALAKE	Menards-Fox Lake	12/20/2016	523.27
87386	MAMWOFW	Mid American Water Of Wauconda	12/20/2016	384.50
87387	MIKETOIN	Mike's Towing, Inc.	12/20/2016	1,438.71
87388	MOBILLUB	Mobile Lube Express, Inc.	12/20/2016	5,661.15
87389	MOTREQIN	Monroe Truck Equipment, Inc.	12/20/2016	38,306.27
87390	NACSUPPL	NAC Supply, Inc	12/20/2016	42.75
87391	NICOR3	Nicor	12/20/2016	967.59
87392	NORTHPOL	Northwest Police Academy	12/20/2016	25.00
87393	NORTTRUC	Northwest Truckworld	12/20/2016	39,90
87394	ORACOIN	O'Herron, Ray Co., Inc.	12/20/2016	312.37
87395	OREILLY	O'Reilly Auto Parts	12/20/2016	220.74
87396	OFFIDEPO	Office Depot	12/20/2016	734,94
87397	OVERFLOW	OVERFLOW ENTERTAINMENT	12/20/2016	1,250.00
87398	PADDCPUB	Paddock Publications, Inc	12/20/2016	515.20
87399	PADPUBLI	Paddock Publications, Inc	12/20/2016	1,000.00
87400	PARTNTEK	Partner Tek, Inc.	12/20/2016	947.00
87401	SCHMITTR	Paul J Schmit Trucking	12/20/2016	284.97
87402	POLICEEX	Police Executive Research Forum	12/20/2016	9,150.00
87403	POMPTIRE	Pomp's Tire Service, Inc.	12/20/2016	3,543.94
87404	RELADYNE	RelaDyne Reliablility in Motion	12/20/2016	273.50
87405	RESAGR	Reliable Sand & Gravel	12/20/2016	2,883.01
87406	RHMGENGI	RHMG Engineers, Inc	12/20/2016	
87407	RUEK	Ruekert-Mielke	12/20/2016	2,177.66
87408	RUSSOPOW	Russo Power Equipment	12/20/2016	217.50
87409	SAECUSTO	SAE Customs Inc.	12/20/2016	110.16
87410	SCCCLEAN	SCC Cleaning Company, Inc. 2011	12/20/2016	545.50
87411	SOCIEHUM	Society for Human Resource Management	12/20/2016	2,431.69
87412	STATECHE	State Chemical Solutions	12/20/2016	199.00
87413	STEINPOW	Steiner Electric Company	12/20/2016	457.96
87414	STRANCRI	Rich Stranc	12/20/2016	39.59
87415	SUBULAIN	Suburban Laboratories, Inc.	12/20/2016	550.00
87416	TODAYUNI	Today's Uniforms	12/20/2016	846.00
87417	TONIGANH	Law Offices of Hon.Henry Tonigan	12/20/2016	950.05
87418	TRANSUNI	TransUnion Risk and Alternative	12/20/2016	340.00
87419	TROJANUV	Trojan UV	12/20/2016	25.00
87420	ULSTCOIN	Ultra Strobe Communications Inc.	12/20/2016	62.86
87421	VICTFORD	Victor Ford		52.92
87422	VILFOXLK	Village of Fox Lake	12/20/2016 12/20/2016	1,573.57
87423	WAUDISTR	Wauconda District #118 Transportation Det		200.00
87424	ZEPMACO	Zep Manufacturing Company	12/20/2016	267.25
87425	MRUFLAOF	Magna, Rudolph F. Law Office Of	12/20/2016	554.68
87426	RHMGENGI	RHMG Engineers, Inc	12/20/2016	1,443.00
		ACTIVIC Engineers, Ille	12/20/2016	46,595.26
			Total for 12/20/2016:	212,664.83

Report Total (99 checks):

212,664.83

# Accounts Payable

# Transactions by Account

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Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
10-10-4310	Difference Card Employee Benefit Sc Employee Insurance - Dec. 2016	k Employee Insurance - Dec. 2016	12/12/2016	87359	80.21	
		Vendor Subtotal for Dept:10	Dept:10		80.21	
10-10-4510 10-10-4510	Cardmember Service Cardmember Service	Training Training	12/14/2016 12/14/2016	87344 87344	334.16 340.00	
		Vendor Subtotal for Dept:10	Dept:10		674.16	
10-10-4520	Society for Human Resource Manage Membership Dues	स Membership Dues	12/13/2016	87411	199.00	
		Vendor Subtotal for Dept:10	Dept:10		00.661	
10-10-4530 10-10-4530	American Legal Publishing Corp. American Legal Publishing Corp.	Wauconda Code of Ordinances,Oct 2( Wauconda Code of Ordinances,Oct 2(	12/12/2016 12/12/2016	87335 87335	46.80 488,16	
		Vendor Subtotal for Dept:10	Jept; 10		534.96	
10-10-4530	Paddock Publications, Inc	Publications - Annual Financial Staten	12/13/2016	87398	515.20	
		Vendor Subtotal for Dept:10	Jept:10		515.20	
10-10-4540 10-10-4540 10-10-4540	Cardmember Service Cardmember Service Cardmember Service	Conferences/Meetings Conferences/Meetings Conferences/Meetings	12/14/2016 12/14/2016 12/14/2016	87344 87344 87344	12.85 536.33 25.00	

Account Number	Vendor	Description	GL Date	Check No	Amount P	PO No
		Vendor Subtotal for Dept:10	Jept:10		574.18	
10-10-4550	Lori Emch	Travel Expense Reimbursement - Mile	12/12/2016	87358	53.84	
		Vendor Subtotal for Dept:10	Jept:10	ľ	53.84	
10-10-5110 10-10-5110	Magna, Rudolph F. Law Office Of Magna, Rudolph F. Law Office Of	Corporate Matters Corporate Matters	12/13/2016 12/13/2016	87383 87383	1,276.50 6,963.37	
		Vendor Subtotal for Dept:10	Jept: 10	ł	8,239.87	
10-10-5130	Comcast Cable	Computer Service - Xfinity High Spee	12/14/2016	87347	51.13	
		Vendor Subtotal for Dept:10	Jept:10		51.13	
10-10-5130	Partner Tek, Inc.	Computer Services - IT	12/13/2016	87400	399.00	
		Vendor Subtotal for Dept:10	lept:10	I	399.00	
10-10-5190	Cardmember Service	Other Professional Fees	12/14/2016	87344	90.31	
		Vendor Subtotal for Dept:10	ept:10		90.31	
10-10-5190	Eder, Casella and Company	Certified Public Accounting Service	12/14/2016	87357	1,548.75	
		Vendor Subtotal for Dept.10	ept:10		1,548.75	
10-10-5190	OVERFLOW ENTERTAINMENT	Wauconda Residential & Business Pro	12/14/2016	87397	1,250.00	
		Vendor Subtotal for Dept.10	ept:10		1,250.00	
10-10-5510	Comcast Cable	Telephone - Xfinity Voice	12/14/2016	87347	51.12	
AP-Transactions by Account (12/15/2016 - 8:38 AM)					Pag	Page 2

AP-Transactions by Account (12/15/2016 - 8:38 AM)

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept:10	)ept:10	1	51.12	
10-10-5620	EverBank Commercial Finance	Office Equipment Rental Contract	12/12/2016	87329	866.74	
		Vendor Subtotal for Dept: 10	)ept:10	ı	866.74	
10-10-6130	Ace Hardware	Misc Supplies	12/12/2016	87331	7.73	
		Vendor Subtotal for Dept; 10	lept:10	!	7.73	
10-10-6130 10-10-6130	Cardmember Service Cardmember Service	Operating Supplies & Equipment Operating Supplies & Equipment	12/14/2016 12/14/2016	87344 87344	99.00	
		Vendor Subtotal for Dept.10	ept:10	I	203.89	
10-10-6140	Cooke, J. P. Company	Office Supplies	12/13/2016	87352	96,90	
		Vendor Subtotal for Dept:10	ept:10		06'96	
10-10-6140	Office Depot	Office Supplies - Admin.	12/13/2016	87396	179.94	
10-10-6140 10-10-6140	Office Depot	Office Supplies - Admin.	12/13/2016	87396	27.56	
10-10-6140	Office Depot	Office Supplies - Admin. Office Supplies - Admin.	12/14/2016	87396	289.79	
10-10-6140	Office Depot	Office Supplies - Admin,	12/14/2016	87396	53.42	
10-10-6140 10-10-5140	Office Depot	Office Supplies - Admin.	12/14/2016	87396	43.98	
0+10-01-01	Ornice Depoi	Otace Supplies - Admin.	14/2016	8/396	15.12	
		Vendor Subtotal for Dept:10	spt:10		612.00	
10-10-6150		October 2016 Fuel Bill	12/13/2016	87423	121.79	
10-10-0130	wauconda District #118 1 ransportan	November 2016 Fuel Bill	12/14/2016	87423	145.46	
		Vendor Subtotal for Dept:10	pt:10		267.25	

AP-Transactions by Account (12/15/2016 - 8:38 AM)

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
10-10-6260	A To Z Engraving Co. Inc.	Employee Recognition - 1 Plate	12/12/2016	87330	21.00	
		Vendor Subtotal for Dept.10	Dept:10	ı	21.00	
10-10-6260 10-10-6260	Cardmember Service Cardmember Service	Employee Recognition/Safety Employee Recognition/Safety	12/14/2016 12/14/2016	87344 87344	99.08	
		Vendor Subtotal for Dept:10	Sept:10	1	105.50	
10-10-6390	Cardmember Service	Supplies 12/1 Vendor Subtotal for Dept:10	12/14/2016 Jept:10	87344	6.91	
10-10-6390	Lake County 4-H Club	Memorial Donation to Rose Reynolds 12/14 Vendor Subtotal for Dent 10	12/14/2016 lent-10	87378	35.00	
10-11-4310	Difference Card Employee Benefit Sc Employee Insurance - Dec. 2016	Employee Insurance - Dec. 2016	12/12/2016	87359	35.00	
		Vendor Subtotal for Dept:11	ept:11	ſ	17.55	
10-11-5130	Comcast Cable	Computer Service-Xfinity High Speed	12/14/2016	87347	51.12	
		Vendor Subtotal for Dept.11	ept:11		51.12	
10-11-5180	Rich Stranc	Electrical Inspection - 406 N Main Str	12/13/2016	87414	100,00	
10-11-5180	Rich Stranc	Electrical Inspection - 200 N Main Electrical Inspection - 2900-B Glacier	12/13/2016	8/4/4	50.00	
10-11-5180	Rich Stranc	Electrical Inspection - 107-A S Main	12/13/2016	87414	100.00	
10-11-5180	Rich Stranc	Electrical Inspection - 827 Edgewater	12/13/2016	87414	100.00	
10-11-5180	Rich Stranc	Electrical Inspection - 793 Lipizzan	12/13/2016	87414	100.00	
10-11-5180	Rich Stranc	Electrical Inspection - 410 Barrington	12/14/2016	87414	50.00	

AP-Transactions by Account (12/15/2016 - 8:38 AM)

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept:11	Dept:11		250.00	
10-11-5510	Comcast Cable	Telephone- Xfinity Voice	12/14/2016	87347	51.12	
		Vendor Subtotal for Dept:11	)ept:11	I	\$1.12	
10-11-5620	Impact Networking, LLC	Office Equipment Rentals	12/13/2016	87371	292.63	
		Vendor Subtotal for Dept: 11	)ept:11		292.63	
10-12-4310	Difference Card Employee Benefit & Employee Insurance - Dec. 2016	Employee Insurance - Dec. 2016	12/12/2016	87359	270.70	
		Vendor Subtotal for Dept: 12	lept: 12		270.70	
10-12-4510	Northwest Police Academy	Training Seminar	12/13/2016	87392	25.00	
		Vendor Subtotal for Dept:12	ept:12		25.00	
10-12-4510	Police Executive Research Forum	2017 Senior Management Institute for	12/13/2016	87402	9,150.00	
		Vendor Subtotal for Dept.12	ept:12	İ	9,150.00	
10-12-4550	Cardmember Service	Travel Expense	12/14/2016	87344	250.70	
		Vendor Subtotal for Dept: 12	ept:12		250.70	
10-12-5110	Magna, Rudolph F. Law Office Of	Prosecution Matters	12/13/2016	87383	6,402.00	
		Vendor Subtotal for Dept:12	ept:12		6,402.00	
10-12-5110	Law Offices of Hon.Henry Tonigan	Legal Services - Admin. Hearings	12/13/2016	87417	340.00	
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AP-Transactions by Account (12/15/2016 - 8:38 AM)

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept:12	Dept:12	'	340.00	
10-12-5130	Cardmember Service	Computer Services	12/14/2016	87344	9.99	
		Vendor Subtotal for Dept:12	Dept:12	•	66.6	
10-12-5130	LexisNexis Risk & Information	Computer Services - P.D.	12/14/2016	87381	43.00	
		Vendor Subtotal for Dept:12	Dept: 12	ı	43.00	
10-12-5130	Partner Tek, Inc.	Computer Services - IT	12/13/2016	87400	548,00	
		Vendor Subtotal for Dept: 12	Dept:12		548.00	
10-12-5130	TransUnion Risk and Alternative	Computer Services	12/13/2016	87418	25.00	
		Vendor Subtotal for Dept:12	Dept:12		25.00	
10-12-5190	Cardmember Service	Police Executive Research	12/14/2016	87344	470.00	
		Vendor Subtotal for Dept:12	Dept:12	•	470.00	
10-12-5310	LIONHEART CRITICAL POWER S	LIONHEART CRITICAL POWER! Maintenance - Building & Grounds	12/13/2016	87382	815.00	
		Vendor Subtotal for Dept:12	)ept:12	I	815,00	
10-12-5310	SCC Cleaning Company, Inc. 2011	Janitorial Service for Dec. 2016 - P.D.	12/13/2016	87410	2,431.69	
		Vendor Subtotal for Dept:12	)ept:12	•	2,431.69	
10-12-5330 10-12-5330 10-12-5330	Alliance Auto Sales Alliance Auto Sales Alliance Auto Sales	Vehicle Maintenance/Service - Unit 12 Vehicle Maintenance/Service - Unit 11 Vehicle Maintenance/Service - Unit 11	12/12/2016 12/12/2016 12/12/2016	87334 87334 87334	37.49 618.77 82.32	

AP-Transactions by Account (12/15/2016 - 8:38 AM)

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
10-12-5330	Alliance Auto Sales	Vehicle Maintenance - Unit #113	12/14/2016	87334	34.24	
		Vendor Subtotal for Dept: 12	Dept:12		772.82	
10-12-5330	Berry Tire & Auto	Vehicle Maintenance	12/14/2016	87341	543,24	
		Vendor Subtotal for Dept.12	Dept:12		543.24	
10-12-5330	Ultra Strobe Communications Inc.	Vehicle Maintenenace	12/13/2016	87420	52.92	
		Vendor Subtotal for Dept.12	Dept:12		52.92	
10-12-5620 10-12-5620	Gordon Flesch Co., Inc. Gordon Flesch Co., Inc.	Office Equipment Rentals Office Equipment Rentals	12/12/2016 12/14/2016	8736 <del>4</del> 87364	21.74	
		Vendor Subtotal for Dept:12	Dept:12		1,034.26	
10-12-5620 10-12-5620	Lechner and Sons Uniform Rental Lechner and Sons Uniform Rental	Uniform Rental Expense Uniform Rental Expense	12/13/2016 12/14/2016	87380 87380	45.28 42.05	
		Vendor Subtotal for Dept:12	Jept:12		87.33	
10-12-6100	Cardmember Service	Operating Equipment	12/14/2016	87344	96.00	
		Vendor Subtotal for Dept. 12	Jept: 12		\$6.00	
10-12-6110	Cardmember Service	Printing Expense	12/14/2016	87344	47.50	
		Vendor Subtotal for Dept:12	Jept: 12		47.50	
10-12-6120 10-12-6120 10-12-6120	Cardmember Service Cardmember Service Cardmember Service	Postage - UPS Postage - UPS Postage - UPS	12/14/2016 12/14/2016 12/14/2016	87344 87344 87344	76.79 6.70 13.00	

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept:12	Dept:12	•	96.49	
10-12-6130 10-12-6130	Cardmember Service Cardmember Service	Operating Supplies & Equipment Operating Supplies & Equipment	12/14/2016 12/14/2016	87344 87344	40.50	
		Vendor Subtotal for Dept:12	Dept:12	I	211.70	
10-12-6130 10-12-6130	GALLS, LLC GALLS, LLC	Operating Supplies - Work Clothes/Gl. Operating Supplies & Equipment	12/14/2016 12/14/2016	87362 87362	110.57 38.94	
		Vendor Subtotal for Dept:12	Dept:12	ı	149.51	
10-12-6130 10-12-6130 10-12-6130	J.G. Uniforms, Inc. J.G. Uniforms, Inc. J.G. Uniforms, Inc.	Operating Supplies & Equipment Operating Supplies & Equipment Operating Supplies & Equipment	12/14/2016 12/14/2016 12/14/2016	87375 87375 87375	202.00 193.04 187.54	
		Vendor Subtotal for Dept.12	Dept:12	i	582.58	
10-12-6130	O'Herron, Ray Co., Inc.	Operating Supplies & Equipment	12/13/2016	87394	92.09	
		Vendor Subtotal for Dept:12	Dept:12	I	92.09	
10-12-6130 10-12-6130	Today's Uniforms Today's Uniforms	Operating Supplies & Equipment Operating Supplies & Equipment	12/14/2016 12/14/2016	87416 87416	229.99 276.00	
		Vendor Subtotal for Dept:12	Dept:12	I	505.99	
10-12-6140	GALLS, LLC	Uniform Expense	12/12/2016	87362	52.95	
		Vendor Subtotal for Dept:12	)ept:12	I	52.95	
10-12-6140 10-12-6140 10-12-6140	Office Depot Office Depot Office Depot	Office Supplies - P.D. Office Supplies - P.D. Office Supplies - P.D.	12/13/2016 12/13/2016 12/13/2016	87396 87396 87396	18.99 46.99 56.96	
		Vendor Subtotal for Dept:12	)ept:12		122.94	

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Account Number	Vendor	Description	GL Date	Check No	Amount PO	PO No
10-12-6170	GALLS, LLC	Uniform Expense	12/12/2016	87362	54.22	
		Vendor Subtotal for Dept: 12	Dept:12		54.22	
10-12-6170 10-12-6170	О'Непоп, Ray Co., Inc. О'Нспоп, Ray Co., Inc.	Uniform Expense Uniform Expense	12/13/2016 12/13/2016	87394 87394	88.18 22.79	
		Vendor Subtotal for Dept. 12	)ept:12	I	110.97	
10-12-6170 10-12-6170	Today's Uniforms Today's Uniforms	Uniform Expense Uniform Expense	12/13/2016 12/13/2016	87416 87416	135.86 167.85	
		Vendor Subtotal for Dept.12	<b>Jept:</b> 12	i	303.71	
10-12-6310	Ace Hardware	Misc Sumlies	12/14/2016	97231	22	
10-12-6310	Ace Hardware	Misc Plumbing Sunnijes	12/14/2016	87331	15.09	
10-12-6310	Ace Hardware	Misc Plumbing Supplies	12/14/2016	87331	5.30	
10-12-6310	Ace Hardware	Misc Plumbing Supplies	12/14/2016	87331	2.49	
10-12-6310	Ace Hardware	Misc Plumbing/Building Supplies	12/14/2016	87331	15.28	
10-12-6310	Ace Hardware	Misc Plumbing Supplies	12/14/2016	87331	49.94	
10-12-6310	Ace Hardware	Building & Grounds Supplies	12/14/2016	87331	24.29	
10-12-0310	Ace Hardware	Building & Grounds Supplies/Equipm	12/14/2016	87331	109.99	
10-12-6310	Ace Hardware	Building & Grounds Supplies/Equipm	12/14/2016	87331	31.18	
10-12-6210	Ace Dardware	Building & Grounds Supplies/Equipm	12/14/2016	8/331	46.76	
10-12-6310	Ace Hardware	Dunding & Grounds Supplies Ruilding & Grounds Supplies	12/14/2016	8/331	8.35	
10-12-6310	Ace Hardware	Building & Grounds Supplies	12/14/2016	87331	2.05	
		Vendor Subtotal for Dept:12	ept:12	I	335.86	
10-12-6340	Ace Hardware	Duplicate Keys	12/12/2016	87331	16.16	
		Vendor Subtotal for Dept.12	ept:12		16.16	
10-12-6340	A To Z Engraving Co. Inc.	Vehicle Supplies - Key Chain Markers	12/12/2016	87330	111.00	

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		Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept:12	Dept:12	•	111.00	
10-12-6340 10-12-6340	GALLS, LLC GALLS, LLC	Uniform Expense Uniform Expense	12/12/2016 12/12/2016	87362 87362	74.78 65.03	
		Vendor Subtotal for Dept:12	Jept: 12		139.81	
10-12-6340	O'Herron, Ray Co., Inc.	Vehicle Supplies	12/13/2016	87394	109.31	
		Vendor Subtotal for Dept:12	Dept: 12	•	109.31	
10-13-4310	Difference Card Employee Benefit Sc Employee Insurance - Dec. 2016	Employee Insurance - Dec. 2016	12/12/2016	87359	70.18	
		Vendor Subtotal for Dept. 13	Jept: 13		70.18	
10-13-5150 10-13-5150	RHMG Engineers, Inc RHMG Engineers, Inc	Enginecting Service - Road Evaluation Enginecting Service - Wauconda FY 2	12/13/2016 12/13/2016	87406 87406	548.91 505.76	
		Vendor Subtotal for Dept: 13	ept:13	ſ	1,054.67	
10-13-5190	Environmental Systems Research Ins	Environmental Systems Research Ins ArcGIS Desktop Basic User License fi	12/12/2016	87360	875.00 000003602	0003602
		Vendor Subtotal for Dept.13	ept:13	I	875.00	
10-13-5190	Hinckley Spring Water Co.	Hot & Cold Cooler Rental & Distilled	12/12/2016	87368	23.62	
		Vendor Subtotal for Dept:13	ept:13	l	23.62	
10-13-5190	Ruekert-Mielke	GIS Maintenance Services	12/13/2016	87407	72.50	
		Vendor Subtotal for Dept.13	ept:13	l	72.50	
10-13-5190	Steiner Electric Company	Other Professional Fees	12/14/2016	87413	39.59	

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Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept:13	Jept:13		39.59	
10-13-5190	Village of Fox Lake	Red Light Violation - M149813	12/14/2016	87422	200.00	
		Vendor Subtotal for Dept: 13	<b>Уер</b> t:13	ı	200.00	
10-13-5320 10-13-5320	Don's Welding And Fabricating Don's Welding And Fabricating	Adapt new Stainless steel spreader for Fabricate 2 new stainless steel spray b	12/12/2016 12/12/2016	87355 87355	570.00 412.90	
		Vendor Subtotal for Dept:13	)ept:13	l	982.90	
10-13-5320	Mike's Towing, Inc.	Vehicle Maintenance - 2002 Street Sw	12/13/2016	87387	388.26	
		Vendor Subtotal for Dept:13	)ept:13	l	388.26	
10-13-5320	Mobile Lube Express, Inc.	Annual Maintenance on Portable Gen	12/14/2016	87388	429.67	
		Vendor Subtotal for Dept:13	ept:13	1	429.67	
10-13-5320 10-13-5320	Pomp's Tire Service, Inc. Pomp's Tire Service, Inc.	Equipment Maintenance - Ramp Traile Equipment Maitenance - Sweeper M1;	12/13/2016 12/13/2016	87403 87403	370.00 600.50	
		Vendor Subtotal for Dept:13	ept:13		970.50	
10-13-5320	Russo Power Equipment	Service/Repair to Toro Power Clear Sr	12/14/2016	87408	110.16	
		Vendor Subtotal for Dept.13	ept.13	ı	110,16	

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621.00

87350 87350

12/14/2016 12/14/2016

Concept to Project Management LLC Vehicle Maintence - Service/Repair Ul Concept to Project Management LLC Vehicle Maintence - Service/Repair Ul

1,628.54

593.72

456.02 137.70

87333 87333

12/14/2016 12/14/2016

Vehicle Maintenance - Repair/Service

Vehicle Maintenance/Parts

Adams, R.A. Enterprises, Inc Adams, R.A. Enterprises, Inc

10-13-5330 10-13-5330 Vendor Subtotal for Dept:13

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept:13	Dept:13		2,249.54	
10-13-5330 10-13-5330 10-13-5330	Hydraulic Services & Repairs,Inc Hydraulic Services & Repairs,Inc Hydraulic Services & Repairs,Inc	Stainless Spreader Box Repair Vehicle Maintenance/Service - Unit #7 Vehicle Maintenance/Service - Unit #7	12/12/2016 12/12/2016 12/12/2016	87369 87369 87369	1,387.10 765.49 836.00	
		Vendor Subtotal for Dept.13	Dept:13		2,988.59	
10-13-5330 10-13-5330 10-13-5330	Mike's Towing, Inc. Mike's Towing, Inc. Mike's Towing, Inc.	State Safety Inspections - M190236, N Vehicle Maintenance - Truck #19 Vehicle Maintenance - Orange Dump ?	12/13/2016 12/13/2016 12/14/2016	87387 87387 87387	108.00 344.55 597.90	
		Vendor Subtotal for Dept.13	Dept:13		1,050.45	
10-13-5330	Mobile Lube Express, Inc.	Vehicle Maintenance/Service - Unit #1	12/14/2016	87388	873.91	
10-13-5330 10-13-5330	Mobile Lube Express, Inc.	Vehicle Maintenance/Service - Unit #5	12/14/2016	87388	1,488.53	
10-13-5330	Mobile Lube Express, Inc.	venicle Maintenance/Service - Unit #2 Vehicle Maintenance/Service - Unit #3	12/14/2016	87388	1,048.70	
10-13-5330	Mobile Lube Express, Inc.	Vehicle Maintenance/Service - Unit #2	12/14/2016	87388	200.00	
10-13-5330	Mobile Lube Express, Inc.	Vehicle Maintenance/Service - Unit #2	12/14/2016	87388	324.00	
10-13-5330	Mobile Lube Express, Inc.	Vehicle Maintenance/Service - Unit #2	12/14/2016	87388	91.00	
10-13-5330	Mobile Lube Express, Inc.	Vehicle Maintenance/Service - Unit #5	12/14/2016	87388	305.00	
10-13-5330	Mobile Lube Express, Inc.	Vehicle Maintenance/Service - Unit #3	12/14/2016	87388	70.00	
		Vendor Subtotal for Dept.13	Jept:13		4,515.12	
10-13-5330	Pomp's Tire Service, Inc.	Vehicle Maitenance - Truck #32	12/13/2016	87403	100.00	
10-13-5330	Pomp's Tire Service, Inc.	Vehicle Maintenance - Truck #16	12/13/2016	87403	605.76	
10-13-5330	Pomp's Tire Service, Inc.	Vehicle Maitenance - Truck #7	12/13/2016	87403	623.00	
		Vendor Subtotal for Dept.13	dept:13		1,328.76	
10-13-5330	Victor Ford	Vehicle Maintenance - 2013 Ford Fusi	12/13/2016	87421	267.49	
		Vendor Subtotal for Dept.13	ept:13		267.49	
10-13-5430	ComBd	Utility Street Lighting-Osage Rt 25,Sl	12/12/2016	87348	895.06	

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Account Number	Vendor	Description	GL Date	Check No	Amount PC	PO No
		Vendor Subtotal for Dept.13	Dept:13	1	895.06	
10-13-5430	Lake County Treasurer	Utility Street Lighting - Communication	12/13/2016	87379	1,031.04	
		Vendor Subtotal for Dept.13	Dept:13	I	1,031.04	
10-13-5510	Corncast Business	Telephone	12/14/2016	87346	98.22	
		Vendor Subtotal for Dept:13	Dept:13		98.22	
10-13-6130	Ace Hardware	Misc Building Supplies	12/12/2016	87331	11.50	
10-13-6130	Ace Hardware	Misc Building Supplies	12/12/2016	87331	11.68	
10-13-6130	Ace Hardware	Misc Building Supplies/Material	12/12/2016	87331	65.06	
10-13-6130	Ace Hardware	Misc Supplies	12/12/2016	87331	5.39	
10-13-6130	Ace Hardware	Misc Supplies	12/12/2016	87331	10.78	
10-13-6130	Ace Hardware	Misc Building Supplies	12/12/2016	87331	8.98	
10-13-6130	Ace Hardware	Misc Building Supplies	12/12/2016	87331	18.28	
10-13-6130	Ace Hardware	Misc Building Supplies	12/12/2016	87331	35.99	
10-13-6130	Ace Hardware	Misc Building Supplies	12/12/2016	87331	18.87	
10-13-6130 10-13-6130	Ace Hardware Ace Hardware	Misc Building Supplies Misc Plumbing Supplies	12/12/2016	87331	16.19 29.67	
10-13-6130	Ace Hardware	Christmas Decorations for Village	12/12/2016	87331	65.46	
10-13-6130	Ace Hardware	Misc Supplies	12/12/2016	87331	5,02	
10-13-6130	Ace Hardware	Misc Supplies	12/12/2016	87331	3.22	
10-13-6130	Ace Hardware	Misc Building Supplies	12/12/2016	87331	43.86	
10-13-6130	Ace Hardware	Misc Building Supplies	12/12/2016	87331	27.88	
10-13-0130	Ace Hardware	Misc Operating Supplies	12/14/2016	87331	19.77	
10-13-0130	Ace Hardware	Misc Operating Supplies/Equipment	12/14/2016	8/331	26.98	
10-13-6130	Ace nardware	Misc Supplies	12/14/2016	8/331	19.68	
10-13-6130	Ace Hardware	Misc Operating Supplies	12/14/2016	87331	21.58	
10-13-6130	Ace Hardware	Misc Plumbing Supplies	12/14/2016	87331	4.62	
10-13-6130	Ace Hardware	Misc Operating Supplies	12/14/2016	87331	6.82	
		Vendor Subtotal for Dept:13	)ept:13		490.38	
10-13-6130	Adams Steel Service Inc.	Operating Supplies & Equipment	12/12/2016	87332	41.58	
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Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept:13	r Dept:13		41.58	
10-13-6130 10-13-6130 10-13-6130	Conserv FS, Inc Conserv FS, Inc Conserv FS, Inc	Tank Heater Submersible  Tank Heater Submersible  12/1  Operating Supplies & Eqiuipment  Vendor Subtotal for Dent.13	12/12/2016 12/12/2016 12/14/2016 r Dept.13	87351 87351 87351	41.92 21.92 1,328.50	
10-13-6130 10-13-6130 10-13-6130 10-13-6130	Menards-Fox Lake Menards-Fox Lake Menards-Fox Lake Menards-Fox Lake	Operating Supplies & Equipment Misc Painting Supplies Operating Supplies & Equipment Misc Building Supplies & Equipment	12/13/2016 12/13/2016 12/13/2016 12/13/2016	87385 87385 87385	25.97 48.85 152.04 131.44	
		Vendor Subtotal for Dept:13	r Dept:13		358.30	
10-13-6130	NAC Supply, Inc	Operating Supplies & Equipment 12/1 Vendor Subtotal for Dept.13	12/13/2016 r Dept:13	87390	42.75	
10-13-6130	State Chemical Solutions	Operating Supplies & Equipment 12/1 Vendor Subtotal for Dept:13	12/13/2016 : Dept:13	87412	457.96	
10-13-6130 10-13-6130	Zep Manufacturing Company Zep Manufacturing Company	Operating Supplies & Equipment 12/1 Operating Supplies & Equipment 12/1 Vendor Subtotal for Dept.13	12/13/2016 12/14/2016 .Dept:13	87424 87424	277.99 276.69	
10-13-6150	Conserv FS, Inc	Diesel Fuel for P.W. Vehicles 12/1 Vendor Subtotal for Dept: 13	12/12/2016 Dept:13	87351	2,934.81	
10-13-6170 10-13-6170	Cutler Workwear Cutler Workwear	Uniform Expense Uniform Expense  Vendor Subtotal for Dept:13	12/12/2016 12/12/2016 Dept:13	87354 87354	287.41 72.89 360.30	
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Account Number	Vendor	Description	GL Date	Check No	Amount P	PO No
			,			
10-13-6310	Cardmember Service	Building & Grounds Supplies	12/14/2016	87344	131.41	
		Vendor Subtotal for Dept.13	Dept:13	l	131.41	
10-13-6320	Atlas Bobcat, LLC	Equipment Supplies	12/12/2016	87336	65.77	
		Vendor Subtotal for Dept:13	Dept:13	<b>!</b>	65.77	
10-13-6320 10-13-6320	Menards-Fox Lake Menards-Fox Lake	Misc Painting Supplies Misc Building Supplies	12/13/2016 12/13/2016	8738 <b>5</b> 87385	44.88	
		Vendor Subtotal for Dept:13	Dept:13		59.87	
10-13-6330	Baker,Peter & Son Company	Infrastructure Supplies	12/12/2016	87338	48.48	
		Vendor Subtotal for Dept:13	)ept:13	ł	48.48	
10-13-6340 10-13-6340 10-13-6340	BUMPER TO BUMPER BUMPER TO BUMPER BUMPER TO BUMPER	Vehicle Supplics Vehicle Supplies Vehicle Supplies	12/12/2016 12/12/2016 12/12/2016	87342 87342 87342	23.78 35.67 42.88	
		Vendor Subtotal for Dept.13	Ppt:13	•	102.33	
10-13-6340	Cardmember Service	Vehicle Supplies	12/14/2016	87344	297,11	
		Vendor Subtotal for Dept: 13	Jept: 13		297.11	
10-13-6340	Interstate Billing Service, Inc	Vehicle Supplies	12/13/2016	87373	33 14	
10-13-6340	Interstate Billing Service, Inc	Vehicle Supplies	12/13/2016	87373	111.80	
10-13-6340	Interstate Billing Service, Inc	Vehicle Supplies	12/13/2016	87373	53.70	
10-13-6340	Interstate Billing Service, Inc	Vehicle Supplies -	12/14/2016	87373	83.62	
10-13-6340	Interstate Billing Service, Inc	Vehicle Supplies	12/14/2016	87373	92.19	
	increase printing pervice, inc	ventrio auppires	12/14/2016	8/3/3	161.40	

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept.13	Dept:13		535.85	
10-13-6340 10-13-6340 10-13-6340	Monroe Truck Equipment, Inc. Monroe Truck Equipment, Inc. Monroe Truck Equipment, Inc.	Vehicle Supplies Vehicle Supplies Vehicle Supplies	12/13/2016 12/13/2016 12/13/2016	87389 87389 87389	213.89 96.10 369.28	
		Vendor Subtotal for Dept.13	Dept:13		679.27	
10-13-6340	O'Reilly Auto Parts	Vehicle Supplies/Parts	12/14/2016	87395	220.74	
		Vendor Subtotal for Dept:13	Dept:13		220.74	
10-13-8400 10-13-8400	Monroe Truck Equipment, Inc. Monroe Truck Equipment, Inc.	Repairs to 1997 International 5 Ton Dump Truck Refurbishing to Ur 12/1 Vendor Subtotal for Dept:13	12/14/2016 12/14/2016 Dept:13	87389 87389	9,108.00 28,519.00 37,627.00	
10-14-5310	Ace Hardware Ace Hardware	Christmas Decorations/Lights Misc Building Supplies	12/12/2016 12/12/2016	87331 87331	11.96	
10-14-5310 10-14-5310 10-14-5310	Ace Hardware Ace Hardware Ace Hardware	Misc Building Supplies Christmas Decorations - Lights, Exten Maintenance - Building & Grounds	12/12/2016 12/12/2016 12/12/2016	87331 87331 87331	0.99 23.74 16.90	
		Vendor Subtotal for Dept:14	Dept:14		149.78	
10-14-5310	Cardmember Service	Maintenance - Building & Grounds 12/1 Vendor Subtotal for Dept.14	12/14/2016 Dept:14	87344	175.99	
10-14-5310	Countryside Flower Shop	Maintenance - Building & Grounds 12/1 Vendor Subtotal for Dept.14	12/14/2016 Dept:14	87353	935.77	
10-14-5310	Don's Welding And Fabricating	Wels steel to 2 Christmas light bracket 12/1. Vendor Subtotal for Dept::14	12/12/2016 Dept:14	87355	20.00	
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Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
10-14-5310	Kosco Flags	5 US Nylon Flags, 1- 9/11 Flag	12/14/2016	87376	208.25	
		Vendor Subtotal for Dept: 14	Dept:14	Į	208.25	
10-15-4520	Illinois Fire & Police Commissioner	Illinois Fire & Police Commissioner: Conferences/Meetings - FPCA 2017 ?	12/14/2016	87370	375.00	
		Vendor Subtotal for Dept.15	Dept:15	I	375.00	
10-15-4540	Ilinois Fire & Police Commissioner	Illinois Fire & Police Commissioners Conferences/Meetings - IFPCA Fall 20	12/14/2016	87370	425.00	
		Vendor Subtotal for Dept:15	Jept:15	l	425.00	
10-19-4310	Difference Card Employee Benefit Sc Employee Insurance - Dec. 2016	Employee Insurance - Dec. 2016	12/12/2016	87359	2.51	
		Vendor Subtotal for Dept: 19	Jept: 19	l	2.51	
10-19-5190	JoAnn Freeman	Grectings from Wauconda promotiona	12/13/2016	87361	275.00	
		Vendor Subtotal for Dept:19	)ept:19		275.00	
10-19-5190	Paddock Publications, Inc	Publication/Subscription	12/14/2016	87399	1,000.00	
		Vendor Subtotal for Dept:19	)ept.19		1,000.00	
10-98-E550	JoAnn Freeman	Trick or Trear on Main Street Event -	12/13/2016	87361	130.00	
		Vendor Subtotal for Dept:98	ept.98		130.00	
10-98-E558 10-98-E558	Cardmember Service Cardmember Service	Wauconda Cruise Night Expense Wauconda Cruise Night Expense	12/14/2016 12/14/2016	87344 87344	634.68 65.00	

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20-20-4310 Difference Card Employee Benefit Sc 20-20-5130 Baxter and Woodman	Vendor Subtotal for Dept:98				
		ept:98		89.68	
	Sut	Subtotal for Fund: 10		114,850.46	
	Difference Card Employee Benefit & Employee Insurance - Dec. 2016	12/12/2016	87359	50.13	
	Vendor Subtotal for Dept:20	ept:20		50.13	
	Computer Services - P.D.	12/14/2016	87340	1,880.00	
	Vendor Subtotal for Dept:20	ept:20		1,880.00	
20-20-5130 Comcast Cable	Xfinity High Speed Internet	12/14/2016	87347	51.13	
	Vendor Subtotal for Dept:20	spt:20		51.13	
20-20-5150 RHMG Engineers, Inc	Enginecring Service - Wauconda FY 2	12/13/2016	87406	280.02	
	Vendor Subtotal for Dept:20	pt:20		280.02	
20-20-5190 Environmental Systems Research Inc	Environmental Systems Research Inc ArcGIS Desktop Basic User License fi	12/12/2016	87360	875.00 000003602	1003602
	Vendor Subtotal for Dept;20	pt:20		875.00	
20-20-5190 Hinckley Spring Water Co.	Hot & Cold Cooler Rental & Distilled	12/12/2016	87368	23.62	
	Vendor Subtotal for Dept:20	pt:20		23.62	
20-20-5190 J & D Mechanical Industries, Inc.	nc. Replace the breakaway on dispenser #	12/13/2016	87374	460.00	
	Vendor Subtotal for Dept:20	pt:20		460.00	

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Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
20-20-5190	Ruekert-MicIke	GIS Maintenance Services	12/13/2016	87407	72.50	
		Vendor Subtotal for Dept;20	Dept:20		72.50	
20-20-5210 20-20-5210	McHenry Analytical Water McHenry Analytical Water	Lab Testing Expense Lab Testing Expense	12/13/2016 12/14/2016	87384 87384	30.00 730.00	
		Vendor Subtotal for Dept:20	Dept:20		760.00	
20-20-5320	Mobile Lube Express, Inc.	Vehicle Maintenance/Service - Well #{ 12/1 Vehicle Maintenance/Service - Well #{ 12/1	12/14/2016 Dept:20	87388	591.36	
20-20-5330 20-20-5330	Pomp's Tire Service, Inc. Pomp's Tire Service, Inc.	Vehicle Maitenance - Truck #21 Vehicle Maitenance - Truck #10	12/13/2016 12/13/2016	87403 87403	630.16 614.52	
		Vendor Subtotal for Dept:20	Dept:20		1,244.68	
20-20-5330	SAE Customs Inc.	Vehicle Maintenance	12/13/2016	87409	545.50	
		Vendor Subtotal for Dept;20	<b>Dept:20</b>		545.50	
20-20-5410	ComBd	Utility - Electric - 1110 E Liberty	12/12/2016	87349	40.75	
		Vendor Subtotal for Dept:20	Sept:20		40.75	
20-20-5410	Dynegy Energy Services	Utility - Electric	12/14/2016	87356	11,494.44	
		Vendor Subtotal for Dept:20	)ept:20		11,494.44	
20-20-5420 20-20-5420	Nicor Nicor	Utility - Gas - 421 Lakeshore Dr Utility - Gas - 2569 Savanna Dr #8	12/13/2016 12/14/2016	87391 87391	92.00 146.78	
20-20-5420	Nicor	Utility - Gas - 2750 Gilmer Rd Water '	12/14/2016	87391	239.38	

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept.20	r Dept:20		478.16	
20-20-5510	Cardmember Service	Telephone Expense	12/14/2016	87344	161.14	
		Vendor Subtotal for Dept.20	r Dept:20		161.14	
20-20-5510	Comcast Business	Telephone	12/14/2016	87346	98.22	
		Vendor Subtotal for Dept.20	r Dept:20		98.22	
20-20-6130	Ace Hardware	Misc Supplies	12/12/2016	87331	25.62	
20-20-6130	Ace Hardware	Misc Plumbing Supplies	12/12/2016	87331	30.02	
20-20-6130	Ace Hardware	Misc Plumbing Supplies	12/12/2016	87331	31.28	
20-20-6130	Ace Hardware	Misc Plumbing Supplies	12/12/2016	87331	34.04	
20-20-0150	Ace flardeness	Misc Flumbing/Building Supplies	12/12/2016	87331	6.82	
20-20-6130	Ace Hardense	Miss Currenting Supplies	12/17/2016	87331	23.37	
20-20-6130	Ace Hardware	Misc Plumbing Sumplies	12/14/2016	87331	31.04	
20-20-6130	Ace Hardware	Misc Plumbing Supplies	12/14/2016	87331	13.49	
			ı			
		Vendor Subtotal for Dept.20	Dept:20		211.75	
20-20-6130	Batteries Plus	Batteries - Multiples	12/12/2016	87339	33.90	
		Vendor Subtotal for Dept:20	Dept:20	•	33.90	
20-20-6130	Interstate All Battery Center	Rebuild or Repair Customer Pack	12/13/2016	87372	47.60	
		Vendor Subtotal for Dept:20	Dept:20	•	47.60	
20-20-6130 20-20-6130	Mid American Water Of Wauconda Mid American Water Of Wauconda	Adjustable hydrant wrench Operating Supplies & Equipment	12/13/2016 12/14/2016	87386 87386	142.50 242.00	
		Vendor Subtotal for Dept:20	Dept:20	•	384.50	
20-20-6130	Menards-Fox Lake	Misc Building Supplies/Equipment	12/13/2016	87385	105.10	
				:		

AP-Transactions by Account (12/15/2016 - 8:38 AM)

Account Number	Vendor	Description	GL Date	Check No	Amount PC	PO No
		Vendor Subtotal for Dept;20	Dept;20		105.10	
20-20-6170	Cardmember Service	Uniform Expense Vendor Subtotal for Dept;20	12/14/2016 Dept:20	87344	73.23	
20-20-6180	Paul J Schmit Trucking	Treatment Chemicals  Vendor Subtotal for Dept:20	12/13/2016 Dept:20	87401	284.97	
20-20-6330	Reliable Sand & Gravel	Infrastructure Supplies 12/1. Vendor Subtotal for Dept.20	12/13/2016 Dept:20	87405	2,883.01	
20-20-6340	Northwest Truckworld	Vehicle Supplies for Truck #21  Vendor Subtotal for Dept:20	12/13/2016 Jept:20	87393	39.90	
20-21-4310	Difference Card Employee Benefit Sc. Employee Insurance - Dec. 2016	Employee Insurance - Dec. 2016 12/1 Vendor Subtotal for Dept.21	12/12/2016 Jept:21	87359	50.13	
20-21-5150	RHMG Engineers, Inc	Engineering Service - Wauconda FY 2 12/1 Vendor Subtotal for Dept.21	12/13/2016 Jept:21	87406	842.97	
20-21-5190	Environmental Systems Research Ins	Environmental Systems Research Inc ArcGIS Desktop Basic User License fo 12/1 Vendor Subtotal for Dept.21	12/12/2016 Jept:21	87360	875.00 000003602	3602

AP-Transactions by Account (12/15/2016 - 8:38 AM)

Account Number	Vendor	Description	GL Date	Check No	Amount F	PO No
20-21-5190	Hinckley Spring Water Co.	Hot & Cold Cooler Rental & Distilled	12/12/2016	87368	23.63	
		Vendor Subtotal for Dept:21	Jept:21	•	23.63	
20-21-5190	Ruekert-Mielke	GIS Maintenance Services	12/13/2016	87407	72.50	
		Vendor Subtotal for Dept:21	)ept:21	•	72.50	
20-21-5210	Grainger, W.W. Inc.	Lab Testing Expense	12/12/2016	87365	24.61	
		Vendor Subtotal for Dept;21	)ept:21		24.61	
20-21-5210 20-21-5210	Hach Company Hach Company	Lab Testing Expense Lab Testing Expense	12/14/2016 12/14/2016	87366 87366	764.01 533.37	
		Vendor Subtotal for Dept.21	Jept:21	ı	1,297.38	
20-21-5210	Suburban Laboratories, Inc.	Lab Testing Expense	12/13/2016	87415	50.00	
20-21-5210	Suburban Laboratories, Inc.	Lab Testing Expense Lab Testing Expense	12/13/2016	87415 87415	493.00	
20-21-5210	Suburban Laboratories, Inc.	Lab Testing Expense	12/13/2016	87415	93.00	
		Vendor Subtotal for Dept.21	ept:21	I	846.00	
20-21-5310	Cahill Heating, Air, & Electric Servi	Cahill Heating, Air, & Electric Servi Maintenance- electric unit heaters, gas	12/12/2016	87343	2,480.00	
		Vendor Subtotal for Dept:21	ept:21		2,480.00	
20-21-5320	Automation Service & Design, Inc	Equipment Maintenance	12/12/2016	87337	240.00	
		Vendor Subtotal for Dept.21	ept:21		240.00	
20-21-5410	Dynegy Energy Services	Utility - Electric	12/14/2016	87356	12,547.07	

AP-Transactions by Account (12/15/2016 - 8:38 AM)

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
		Vendor Subtotal for Dept:21	Dept:21	1	12,547.07	
20-21-5510	Comcast Business	Telephone	12/14/2016	87346	98.22	
		Vendor Subtotal for Dept:21	Dept:21	•	98.22	
20-21-5510	Comcast Cable	Telephone - Xfinity Voice	12/14/2016	87347	51.12	
		Vendor Subtotal for Dept:21	Dept:21	ſ	51.12	
20-21-6130	Ace Hardware	Misc Building/Plumbing Supplies	12/12/2016	87331	62.95	
20-21-6130	Ace Hardware	Misc Building/Plumbing Supplies	12/12/2016	87331	12.89	
20-21-6130	Ace Hardware	Drill Bits - 2	12/12/2016	87331	24.81 13.66	
		Vendor Subtotal for Dept:21	Jept:21	ı	114.31	
20-21-6130	LAI, Ltd.	Operating Supplies & Equipment	12/13/2016	87377	339.80	
		Vendor Subtotal for Dept:21	)ept;21	I	339.80	
20-21-6130	RelaDyne Reliablility in Motion	Operating Supplies & Equipment	12/14/2016	87404	273.50	
		Vendor Subtotal for Dept:21	Sept:21	I	273.50	
20-21-6130	Trojan UV	Operating Supplies & Equipment	12/13/2016	87419	62.86	
		Vendor Subtotal for Dept:2.1	)ept:21	ı	62.86	
20-21-6150 20-21-6150	Hendrix Industrial Gastrux Inc. Hendrix Industrial Gastrux Inc.	Gasoline & Oil Lift Truck Cylinder Fuel	12/12/2016 12/14/2016	87367 87367	31.59 31.59	
		Vendor Subtotal for Dept:21	ept:21	I	63.18	

AP-Transactions by Account (12/15/2016 - 8:38 AM)

Account Number	Vendor	Description	GL Date	Check No	Amount ]	PO No
20-21-6310	City Electric Supply (C.E.S.)	Building & Grounds Supplies	12/14/2016	87345	288.75	
		Vendor Subtotal for Dept.21	<b>Dept:21</b>	ı	288.75	
20-27-4310	Difference Card Employee Benefit 8	Difference Card Employee Benefit Sc Employee Insurance - Dec. 2016	12/12/2016	87359	20.05	
		Vendor Subtotal for Dept.27	<b>Jept:27</b>		20.05	
20-27-5190	Environmental Systems Research In	Environmental Systems Research Inc ArcGIS Desktop Basic User License fi	12/12/2016	87360	875.00 000003602	303602
		Vendor Subtotal for Dept.27	)ept:27		875.00	
20-27-5320	Mobile Lube Express, Inc.	Vehicle Maintenance/Service - KUBO	12/14/2016	87388	125.00	
		Vendor Subtotal for Dept.27	lept:27	I	125.00	
20-27-5330	Victor Ford	Vehicle Maintenance - 08 Ford F-550	12/14/2016	87421	1,306.08	
		Vendor Subtotal for Dept.27	ept:27	ļ	1,306,08	
20-27-5410 20-27-5410	ComBd	Utility - Electric - 0 Monroe Utility - Electric - 1213 N Garland	12/12/2016 12/12/2016	87349 87349	77.77	
		Vendor Subtotal for Dept.27	ept:27		152.55	
20-27-5410	Dynegy Energy Services	Utility - Blectric	12/14/2016	87356	1,863.16	
		Vendor Subtotal for Dept.27	ept:27		1,863.16	
20-27-5420 20-27-5420	Nicor Nicor	Utility - Gas - 2n North Ave Utility - Gas - 911 Oakdale Ave	12/13/2016 12/13/2016	87391 87391	37.34 93.33	
AD T						

AP-Transactions by Account (12/15/2016 - 8:38 AM)

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
20-27-5420 20-27-5420 20-27-5420 20-27-5420 20-27-5420 20-27-5420 20-27-5430 20-27-6130	Nicor Nicor Nicor Nicor Nicor Nicor Ace Hardware	Utility - Gas - 1160-g N Dato La  Utility - Gas - 324 Wethington Dr  Utility - Gas - 1265 Karl Ct  Utility - Gas - 215 Regency Ct  Utility - Gas - 260 A Larkdale Row Br  Utility - Gas - 29770 Garlad Blvd Lift  Utility - Gas - 1650 Callahan Rd Lift \$  Utility - Gas - 1436 Roxbury Ln  Vility - Gas - 1436 Roxbury Ln  Wisc Building Supplies  Vendor Subtotal for Dept.27  Vendor Subtotal for Dept.27	12/13/2016 12/13/2016 12/13/2016 12/14/2016 12/14/2016 12/14/2016 12/14/2016 12/12/2016 12/12/2016 12/12/2016	87391 87391 87391 87391 87391 87391 87331	82.67 25.32 34.00 23.98 27.39 24.51 100.52 40.37 489.43 8.98 5.74	
20-27-6320	Gasvoda & Associates, Inc.	Equipment Supplies  Vendor Subtotal for Dept.27	12/14/2016 Dept:27	87363	968.75	
20-27-6320	Sewer Equipment of Illinois	Equipment Supplies  Vendor Subtotal for Dept.27	12/13/2016 Dept:27	87328	59.38	
20-28-5114	Magna, Rudolph F. Law Office Of	Legal Scrvices - Lake Michigan Water 12/2 Vendor Subtotal for Dept;28	12/20/2016 Dept:28	87425	1,443.00	
20-28-5154 20-28-5154	RHMG Engineers, Inc RHMG Engineers, Inc	Engincering - Lake Michigan Water Pl 12/2 LMW Int Improvements Phase II & II 12/2 Vendor Subtotal for Dept.28	12/20/2016 12/20/2016 3ept:28	87426 87426	27,483.22 137.12	
20-28-5155 AP-Transactions by Account (12/15/2016 - 8:38 AM)	RHMG Engineers, Inc	LMW int Improvements Phase II & II.	12/20/2016	87426	137.12	Page 25

Account Number	Vendor	Description	GL Date	Check No	Amount	PO No
20-28-5155	RHMG Engineers, Inc	Engineering - LMW Internal Improver	12/20/2016	87426	18,837.80	
		Vendor Subtotal for Dept.28	Dept:28		18,974.92	
		vs.	Subtotal for Fund: 20		97,674.02	
50-50-6170	Today's Uniforms	Uniform Expense	12/13/2016	87416	140.35	
		Vendor Subtotal for Dept:50	Jept:50		140.35	
		S	Subtotal for Fund: 50		140.35	
		Re	Report Total:		212,664.83	



# VILLAGE OF WAUCONDA REGULAR VILLAGE BOARD MEETING 101 N. MAIN STREET, WAUCONDA, IL TUESDAY, DECEMBER 6, 2016

- 1. CALL TO ORDER: Mayor Bart called the Regular Board meeting to order in the Village Hall at 7 P.M.
- 2. PLEDGE OF ALLEGIANCE: The Pledge of Allegiance was led by Boy Scout Troop 90.
- 3. ROLL CALL: Upon roll call by Clerk Strelecki the following Trustees were present Present: Trustees Knight, Barbini Starkey, Arnswald, Black, and Howe QUORUM PRESENT

Present: Doug Maxeiner, Village Administrator, Brad Fink, Director of Public Works Chris Miller, Director of Building, Planning, and Zoning, Deputy Police Chief Botterman, Ed McKee, Finance Director, and Rudy Magna, Village Attorney

### 4. **RECOGNITION/PRESENTATIONS**

- A. SWALCO Recognition of Wauconda Public Works-Trustee Black presented a certificate to Public Works recognizing the shoe recycling program that last one year.
- B. United Partnership Recognition of Wauconda to Public Works presented by Trustee Black.
- C. Presentation of the Comprehensive Annual Financial Report for the Year Ended April 30, 2016 by Lauterbach and Amen, LLP.-Mr. Amen provided and reviewed the Village of Wauconda Comprehensive Annual Financial Report.
- 5. PUBLIC COMMENT: No comments.
- 6. APPROVAL OF AGENDA

Motion to approve agenda made by Trustee Howe, second Trustee Black.

Ayes 6 Nays 0

MOTION DECLARED CARRIED

(Last Ordinance No. was 2016-O-29) (Last Resolution No. was 2016-R-10)

# 7. MOTION TO APPROVE CONSIDERATION OF CONSENT AGENDA BY OMNIBUS VOTE

Motion to approve consideration of Consent Agenda by omnibus vote made by Trustee Black, second Trustee Arnswald.

Ayes 6 Nays 0
MOTION DECLARED CARRIED

Regular Village Board Meeting Minutes December 6, 2016 Page 1 of 4

### 8. CONSENT AGENDA

- A. Bills for Payment from November 9, 2016 through November 29, 2016 in the Amount of \$1,982,865.94
- B. Minutes of the October 4, 2016 Regular Village Board Meeting
- C. Minutes of the November 1, 2016 Regular Village Board Meeting
- D. Minutes of the November 15, 2016 Regular Village Board Meeting
- E. Minutes of the November 17, 2016 Special Village Board Meeting
- F. Blanket Resolution Allowing Municipal Work in Illinois Department of Transportation Rightof-Way for a Period of Two Years Beginning January 1, 2017
- G. Tag Day Permit for the YMCA Camp Duncan on Saturday, June 3<sup>rd</sup> and 10<sup>th</sup>, 2017 at the Intersection of Main Street and Illinois Route 176
- H. Approval of a Staff Recommendation to Release the Maintenance Guarantee for Denmar Subdivision in the Amount of \$5,000
- I. Pay Request #5 in the Amount of \$663,388.65 to Berger Excavating, Inc. for Phase 2 of the Lake Michigan Water Internal Water System Improvements Project

# 9. MOTION TO APPROVE ITEMS A THROUGH I ON THE CONSENT AGENDA

Motion to approve items A through I on the Consent Agenda made by Trustee Arnswald, second Trustee Starkey.

Ayes 6 Nays 0 MOTION DECLARED CARRIED

### 10. OLD BUSINESS

A. Consideration and Approval of the Annual Property Tax Levy Ordinance of the Village of Wauconda for 2016 (Collected in 2017) in the Amount of \$3,677,621-Admin. Maxeiner discussed and reviewed the process and financial implications for the Tax Levy Ordinance for the Village of Wauconda.

Motion to Approve the Annual Property Tax Levy Ordinance of the Village of Wauconda for 2016 (Collected in 2017) in the Amount of \$3,677,621 made by Trustee Starkey, second Trustee Barbini. (Ordinance No. 2016-O-30)

Ayes 6 Nays 0

MOTION DECLARED CARRIED

- B. Consideration and Approval of Ordinances Abating Taxes Levied for the 2016 Tax Year (Collectable in 2017) for Debt Service on the Following Items:
  - 1) Abatement of \$171,200.00 Tax Levied Heretofore to Pay Debt Service on \$1.745 Million Alt. GO Refunding Bonds Series 2014A (Full Abatement);

Motion to approve an Ordinance Abatement of \$171,200.00 Tax Levied Heretofore to Pay Debt Service on \$1.745 Million Alt. GO Refunding Bonds – Series 2014A (Full Abatement) made by Trustee Barbini, second Trustee Knight. (Ordinance No. 2016-O-31)

Ayes 6 Nays 0

**MOTION DECLARED CARRIED** 

Regular Village Board Meeting Minutes December 6, 2016 Page 2 of 4 2) Abatement of \$336,350.00 Tax Levied Heretofore to Pay Debt Service on \$3.465 Million Alt. GO Refunding Bonds – Series 2014B (Full Abatement);

Motion To Approve An Ordinance Abatement of \$336,350.00 Tax Levied Heretofore to Pay Debt Service on \$3.465 Million Alt. GO Refunding Bonds – Series 2014B (Full Abatement) made by Trustee Knight, second by Trustee Howe. (Ordinance No. 2016-O-32)

Ayes 6 Nays 0

MOTION DECLARED CARRIED

3) Abatement of \$104,460.00 Tax Levied Heretofore to Pay Debt Service on \$2.0 Million Alt. GO Bonds – Series 2011 (Full Abatement);

Motion to Approve Ordinance Abatement of \$104,460.00 Tax Levied Heretofore to Pay Debt Service on \$2.0 Million Alt. GO Bonds – Series 2011 (Full Abatement) made by Trustee Howe, second by Trustee Black.

(Ordinance No. 2016-O-33)

Ayes 6 Nays 0

MOTION DECLARED CARRIED

4) Abatement of \$222,994.96 of SSA #1 Special Tax Bonds – Series 2015 Refunding Bonds (Partial Abatement)

Motion to Approve Ordinance Abatement of \$222,994.96 of SSA #1 Special Tax Bonds — Series 2015 Refunding Bonds (Partial Abatement) made by Trustee Black, second by Trustee Arnswald. (Ordinance No. 2016-O-34) Ayes 6 Nays 0

MOTION DECLARED CARRIED

### 11. NEW BUSINESS

- A. An Ordinance Amending Title IX General Regulations of the Village of Wauconda for Ice Fishing and Operation of Motorized Vehicles on Bangs Lake When Frozen-Admin. Maxeiner reviewed the enforcement efforts for the Lake. There was discussion about the permanent and temporary fees for registration. Staff will continue to work on this issue.
- B. Mid-Year Budget Status Report-Finance Director McKee reviewed the FY2017 Mid Year Budget Review, April 30, 216 Audit Highlights, Six Month Budget Review of the Operating Funds (General, Water and Sewer, and the Lake Management Fund), and Review of Capital Projects and Their Status.
- 12. MAYOR'S REPORT: Recognized Deb Gompertz for her retirement. Tomorrow is Pearl Harbor Day 75th Anniversary. Candidate filing is December 19th. Thanks for everyone's efforts for the Turkey Trot and Holiday Walk.

Regular Village Board Meeting Minutes December 6, 2016 Page 3 of 4

# 13. COMMITTEE REPORTS & TRUSTEE COMMENTS

**Trustee Knight-**Marketing Committee met this evening to discuss Cruise Night. Tab-ons results will be coming in soon. Next week attending CLCJAWA meeting. Mentioned that the Closed Minutes need to be reviewed.

Trustee Barbini-Congrats to Deb Gompertz. Team at the Village very professional. There is no Development Committee meeting next Monday

**Trustee Starkey**-Natural Resource Meeting will meet next Tuesday. Presented 2016 Wauconda Turkey Trot Summary

Trustee Arnswald-Congrats for Deb Gompertz retirement.

**Trustee Black-**Thank to Public Works and Marc Knigge for the textile collection and Wauconda Grade School as winners collection 512lbs. Total clothes collected 2.5 tons.

**Trustee Howe-**Congrats to Deb Gompertz. License and Admin. meeting next week to discuss the hen ordinance changes. Section 15 needs to go to zoning appeals.

### 14. EXECUTIVE SESSION

A. (5 ILCS 120, 2 C 5) The purchase or lease of real property for the use of the public body, including meetings held for the purpose of discussing whether a particular parcel should be acquired.

Motion to move into Executive Session made by Trustee Arnswald, second by Trustee Starkey at 8:36 P.M.

Ayes 6 Nays 0

MOTION DECLARED CARRIED

# 15 RETURN TO OPEN SESSION

Motion to resume open session made by Trustee Starkey, second Trustee Barbini at 8:48 P.M.

Ayes 6 Nays 0

MOTION DECLARED CARRIED

### 16. ADJOURNMENT

Motion to adjourn made by Trustee Barbini, second by Trustee Knight at 8:48 P.M.

Ayes 6 Nays 0

MOTION DECLARED CARRIED

Gina M. Strelecki, Village Clerk	

Regular Village Board Meeting Minutes December 6, 2016 Page 4 of 4



# VILLAGE OF WAUCONDA REGULAR VILLAGE BOARD MEETING SCHEDULE BOARD ROOM - 101 N. MAIN STREET, WAUCONDA, IL 7:00 PM

January 3, 2017	July 11, 2017*
January 17, 2017	July 25, 2017
February 7, 2017	August 8, 2017*
February 21, 2017	August 22, 2017*
March 7, 2017	September 5, 2017
March 21, 2017	September 19, 2017
April 4, 2017	October 3, 2017
April 18, 2017	October 17, 2017
May 2, 2017	November 7, 2017
May 16, 2017	November 21, 2017
June 6, 2017	December 5, 2017
June 20, 2017	December 19, 2017

<sup>\*</sup>First Tuesday in July is Independence Day. July meeting dates are moved to the  $2^{nd}$  and  $4^{th}$  Tuesdays of the month.

<sup>\*</sup>August meetings adjusted to the 2<sup>nd</sup> and 4<sup>th</sup> Tuesday's of month to avoid scheduling conflict with Guns and Hoses event scheduled for the first Tuesday of August.

### AGENDA SUPPLEMENT

TO: Mayor Bart and Village Board

FROM: Douglas K. Maxeiner, Village Administrator

David A. Wermes, Chief of Police

FOR: December 20, 2016 Village Board Meeting

RE: Consideration and Approval of an Ordinance Amending Title IX –

General Regulations of the Village of Wauconda for Ice Fishing and

Operation of Motorized Vehicles on Bangs Lake When Frozen

**Background**. The Natural Resources Committee discussed expanding enforcement of regulations for ice fishing and snowmobiling on Bangs Lake at two recent meetings. Marine Unit Officer Michael Aiardi prepared some suggestions that have been incorporated into a draft ordinance. Attorney Magna reviewed the draft ordinance and has provided some additional modifications and suggestions.

Analysis. The ice fishing regulations will require a permit for the placement of a fishing shelter on Bangs Lake whether the shelter is for one day or for the season. In addition, there are regulations specified for markings on the shelters along with identification information. Catch and size limitations will also now be subject to enforcement by the Marine Unit during winter months. Regarding snowmobiles or ATVs being operated on the ice on Bangs Lake, the speed limit has been specified as a maximum of 30 mph from 10:00 AM to sunset. This speed limit is reduced to 15 mph from sunset to 10:00 AM. Fines for violations of these regulations have also been specified in the draft ordinance.

**Recommendation**. Staff recommends approval of the ordinance amending Title IX — General Regulations of the Village of Wauconda for ice fishing and operation of snowmobiles and ATVs on Bangs Lake.

#### 2016-O-

# AN ORDINANCE AMENDING TITLE IX - GENERAL REGULATIONS OF THE VILLAGE OF WAUCONDA, ILLINOIS VILLAGE CODE

WHEREAS, from time to time, it is necessary for the Village of Wauconda to review and modify its Village Code to reflect changes in federal and state laws, changes in organizational structure, and current practices; and

WHEREAS, the Natural Resources Committee, a standing committee of the Wauconda Village Board, has completed a comprehensive review of the Fishing and Fishing Shelters and Operation of Motorboats portion of the Municipal Code; and

WHEREAS, the Natural Resources Committee has recommended changes to the Village Board in Title IX of the Village Code to reflect current practices and desired regulations; and

WHEREAS, it is the best interests of the Village of Wauconda to amend the Village Code of the Village.

**NOW, THEREFORE, BE IT ORDAINED** by the President and Board of Trustees of the Village of Wauconda, Lake County, Illinois, as follows:

**SECTION I:** The preceding whereas clauses are hereby made a part of this Ordinance.

SECTION II: That Chapter 92 of Title IX of the Village of Wauconda, Illinois Village Code entitled "GENERAL REGULATIONS" is hereby amended by the following provisions, where strike-out (delete) indicates deletion of text and double underline (insert) indicates insertion of new text:

\*\*\*

# § 92.003 REGISTRATION AND NUMBER OF OWNER.

(A) All persons intending to use portable fishing shelters shall register their name and address with the Village Clerk Wauconda Police Department and file an application for a fishing shelter registration number prior to construction or erecting of any shelter upon the surface of Bangs

Lake or any frozen water located wholly or partly within the village limits.— It is unlawful for any person to construct, erect, occupy or use a portable fishing shelter

within the village limits without having first obtained a fishing shelter registration number from the Village. Wauconda Police Department.

- (B) The applicant shall pay a \$2545.00 application fee for a seasonal permanent fishing shelter and a \$25.0010 application fee for a temporary (1-Day)-24 hour Seasonal

  Temporary fishing shelter at the time of application. (Seasonal-Permanent Fishing Shelter is defined as a shelter erected with the -intention of having said shelter remain in place for the duration of the ice fishing season.) A 24 hour Seasonal Temporary -Shelter is defined as a Shelter erected for use for a period not to exceed 24 hours and is removed after each use. 24

  Hour Seasonal Temporary Shelters may be erected -as desired but must not be left unattended or for a period exceeding 24 hours. Upon completion of the application, the villagePolice

  Department shall issue a registration number to the applicant to be used only by the applicant for the applicant's fishing shelter. The registration number shall be clearly displayed on the outside of the fishing shelter at all times and in accordance with § 92.004.
- (C) By applying for and acceptance of a fishing shelter permit, the applicant acknowledges said shelter shall be subject to inspections by the Wauconda Police Department for the purpose of compliance with all sections of Village Ordinances as well as Ordinances pertaining to said shelters and Size and Catch Limitations as outlined in Section 92.006.

- (D) The set-up of a One-Time Temporary Daily (1-Day) Temporary Use Fishing Shelter shall be exempt from the permit requirement of this ordinance, but the owner is required to register with the Wauconda Police Department and said shelter must be exempt from the registration requirement of this ordinance providing said temporary or daily use shelter is removed immediately after each daily use use. If a Daily Shelter is constructed more than Two Times during the season, said owner shall be required to obtain a 24 Hour Seasonal Temporary Permit as outlined in 92,003. All One-Time Temporary Fishing Shelters shall be Marked and Tagged as required in Section 92,004. Said One-Time Temporary Fishing Shelter shall not be left unattended at any time nor shall it be utilized to exempt the owner or occupant of a Fishing Shelter from any other provisions of this section Chapter 92. Any Shelter not registered under provisions and requirements of this section and left unattended shall be subject to removal at the owner's expense.
- (E) Any Shelter, Structure, Vessel or motorized Vehicle or other mechanical means of transportation on the surface of Bangs Lake shall be subject to inspection by the Wauconda Police Department as outlined provided in this section and as provided in any other applicable provisions of this Code (Snowmobile regulations contained at chapter 77).
- (F) <u>Violation of this section shall result in a daily fine not-to-exceed \$750.00 as outlined</u>

  provided in Section 92.099 [??? This section 92.99 pertains to regattas and boat

races. Is that applicable here? and Section 10.99 of the Wauconda Village Ordinance)

Code and immediate removal of the shelter, vehicle or vessel from the lake.

(1978 Code, § 8-9-3) (Ord. 78-O-39, passed 12-19-1978; Am. Ord. 2011-O-71, passed 12-6-2011)

# 

- (A) The number so assigned by the Village Clerk Wauconda Police Department shall be posted on all sides of the shelter with a marking of white, yellow, or orange in color, which marking shall be at least 12 inches in height or of any color which shall provide a contrast with the surface of the fishing shelter so that it can be seen from a distance of 500 feet. Markings shall be at least 12 inches in height. In addition to the number, the owner shall attach to the shelter his name and address as required by state fishing laws. No shelter shall be used without being so marked or identified.
- (B) Every shelter or vessel on the surface of Bangs Lake, seasonal or dailytemporary, shall also be required to have reflective markers on all four sides of the shelter or vessel and shall be tagged listing the owners Name. Address and Telephone Number. No shelter or vessel shall be used or placed upon the surface of Bangs Lake without being so marked or identified.

  (1978 Code, § 8-9-4) (Ord. 78-O-39, passed 12-19-1978)
- 🛂 § 92.006 SIZE <u>AND CATCH</u> LIMITATION.

- (A) Northern pike. All northern pike in the possession of any person, which have been taken from the waters of Bangs Lake or any water or watercourses lying within or passing through the village shall be of a size not less than 36 inches in length (measured from the tip of the nose to the midpoint of the tail fin). The maximum catch of northern pike shall be 1 per day.
- (B) Muskellunge. All muskellunge and muskellunge hybrid fish (tiger muskie) in the possession of any person, which have been taken from the waters of Bangs Lake or any water or watercourses lying within or passing through the village shall be of a size of not less than 36 inches in length (measured from the tip of the nose to the midpoint of the tail fin.) The maximum catch of Muskellunge shall be 1 per day.
- (C) Bass. Largemouth bass and smallmouth bass in the possession of any person, which have been taken from the waters of Bangs Lake or any water or watercourses lying within or passing through the village, must be returned to the waters from which caught (catch and release only).
- (D) Walleye pike. Walleye pike in the possession of any person which have been taken from the waters of Bangs Lake or any water or watercourses lying within or passing through the village shall be of a size no less than 14 and no more than 16 inches in length (measured from the tip of the nose to the midpoint of the tail fin). The maximum catch of walleye pike shall be 2 per day.

#### (E) Pan fish.

(1) Bluegill, Sunfish, Pumpkinseed and Perch in the possession of any person which have been taken from the waters of Bangs Lake or any water or watercourses lying within or passing through the village shall be of a size not less than 6 inches in length (measured from the tip of the nose to the midpoint of the tail fin). The maximum catch of Bluegill, Sunfish, Pumpkinseed and Perch shall be 10 per day.

- (2) Black crappie in the possession of any person which have been taken from the waters of Bangs Lake or any water or watercourses lying within or passing through the village shall be of a size not less than 10 inches in length (measured from the tip of the nose to the midpoint of the tail fin). The maximum catch of black crappie shall be 8 per day.
- (F) ADDITIONAL REQUIREMENTS AND REGULATIONS FOR ICE FISHING.

  An Illinois Sport Fishing License is required for ice fishing. The Ice Angler may use a maximum of two (2) Tip Ups with no more than two (2) hooks on each line. One (1) Additional fishing pole may be used. No pole or tip up may be left unattended or out of owner's view-or immediate control. Holes cut in the ice may not exceed 12 inches in diameter and must be clearly marked as to not constitute a hazard if left unattended.
- violation as eutlined provided in Section 92.99 92.999[section 92.99 pertains to regattas and boat races. Did you mean Section 92.999?] and Section 10.99 of this Code, and shall be in addition to Illinois Department of Natural Resources (IDNR) Regulations for State Fishing License Violations.

(1978 Code, § 8-9-6) (Ord. 84-O-50, passed 11--1984; Am. Ord. 86-O-33, passed 8-19-1986; Am. Ord. 1992-O-50, passed 10-6-1992; Am. Ord. 2001-O-12, passed 4-17-2001; Am. Ord. 2003-O-21, passed 6-3-2003; Am. Ord. 2006-O-41, passed 8-1-2006; Am. Ord. 2012-O-19, passed 5-1-2012; Am. Ord. 2016-O-08, passed 1-19-2016; Am. Ord. 2016-O-15, passed 3-15-2016)

# § 92.097 TRAFFIC RULES.

- (A) *Passing*. When 2 boats are approaching each other head on or nearly so (so as to involve risk of collision), each boat shall bear to the right and pass the other boat on its left side.
- (B) Crossing. When boats approach each other obliquely or at right angles, the boat approaching on the right side has the right of way.
- (C) Overtaking. One boat may overtake another on either side but must grant right of way to the overtaken boat.
- (D) Sailboats and rowboats. When a motorboat is approaching a boat propelled solely by sails or oars, the motorboat must grant the right of way to the sailboat or rowboat.

  (Ord. 1984-O-24, passed 5-15-1984)
- (E) Hours of operation. It shall be unlawful for any person to operate any motorboat at more than minimum wake speed between the hours of sunset and 10:00 a.m. on the waters of Bangs Lake. The operation of a personal watercraft or specialty prop-craft by any person is prohibited between the hours of sunset and 10:00 a.m. on the waters of Bangs Lake.

(Ord. 1996-O-52, passed 11-19-1996; Am. Ord. 2015-O-12, passed 6-2-2015; Am. Ord. 2016-O-14, passed 3-15-2016)

- (F) Speed. No person shall operate a motorboat over the water, on any lake located wholly or partly within the village limits, at a speed in excess of 30 miles per hour. Within 300 feet offshore or in posted "No Wake" areas, a boat shall be operated at not more than minimum wake speed.
- (G) Speed and Safe Operation Regulations on Frozen Water. No person shall It is unlawful for any person to operate any ATV or Snowmobile on the surface of any frozen lake or water located wholly or partly within the village limits at a speed in excess of 30 miles

per hour. Between sunset and 10:00 AM, speed shall be reduced to a maximum of 15 miles per hour. The reduced speed shall also be in effect at any time such ATV or Snowmobile is within 100 feet or less of any structure or person on the frozen water. No It is unlawful for any person to operate an ATV or a Snowmobile shall be operated in a reckless or negligent manner at any time.

(H) PROOF OF INSURANCE REQUIRED FOR OPERATION OF ANY MOTORIZED VEHICLE WHILE ON FROZEN WATERS.

The operator of any vehicle or motorized conveyance on the surface of Bangs Lake or any frozen water located wholly or partly within the village limits shall be required to carry proof of insurance for said vehicle or conveyance. Proof of insurance shall be exhibited and produced on demand by any member of the Wauconda Police Department or any state agency lawfully entitled to obtain said information.

<u>Violation of this section shall result in a fine not-to-exceed \$750.00 as outlined in Section 92.99</u> and Section 10.99 of the Wauconda Village Ordinance.

(Ord. 1984-O-24, passed 5-15-1984)

(1978 Code, § 8-8-34)

**SECTION III:** All ordinances or parts of ordinances in conflict herewith are to the extent of such conflict, hereby repealed.

SECTION IV: If any provision, clause, sentence, paragraph, section, or part of this ordinance or application thereof to any person, firm, corporation, public agency or circumstance, shall, for any reason, be adjudged by a court of competent jurisdiction to be unconstitutional or invalid, said judgment shall not affect, impair or invalidate the remainder of this ordinance and the application of such provision to other persons, firms, corporation, or circumstances, but shall be confined in its operation to the provision, clause, sentence, paragraph, section, or part thereof

directly involved in the controversy in which such judgment shall have been rendered and to the person, firm, corporation, or circumstances involved. It is hereby declared to be the legislative intent of the corporate authorities that this ordinance would have been adopted had such unconstitutional or invalid provision, clause, sentence, paragraph, section, or part thereof not been included.

**SECTION V:** This ordinance shall be in full force and effect from and after its passage, approval and publication in pamphlet form as required by law.

	Passed this	day	,2016.	
	Ayes:	Nays:	Absent/Abstain:	
Lincoln F. Knight John F. Barbini Ed.D Linda Starkey Ken Arnswald Chuck Black Tim Howe				
	API	PROVED:		
	By:	Frank Bart, N	Date:	
ATTEST:				
By: Gina Strelecki,	Village Clerk			
Presented and read, or a Authorities on October	reading having be 18, 2016.	en waived, at a	a duly convened meeting of the (	Corporate
I hereby certify that the as provided by law.	above ordinance	was published	in pamphlet form on	, 2016

Gina Strelecki,	Village Clerk	

Suggest a hold harmless provision to be signed as part of the application process.

### AGENDA SUPPLEMENT

TO: Mayor Bart and Village Board

FROM: Brad C. Fink, Director of Public Works

FOR: December 20, 2016 Regular Village Board Meeting

RE: Consideration and Approval of a Resolution Approving Change Order No. 1

on the Bangs Lake Drain and 555 Willow Road Streambank Stabilization

Project and the Approval of the Final Pay Request

Background. On March 1, 2016 the Village Board awarded Copenhaver Construction Company the contract for Bangs Lake Drain and 555 Willow Road Streambank Stabilization for an amount not to exceed \$186,625. Copenhaver Construction Company has completed the project and is requesting a final payment of \$33,429.00. Additionally, the contractor has submitted Change Order No. 1 for a credit of \$119.50.

Analysis. RHMG Engineers and Village staff have inspected the completed work and confirmed the quantities accurately reflect the amount requested. Staff is recommending approval of the Final Pay Request in the amount of \$33,429.00 and Change Order No. 1 for a credit of \$119.50.

 Contract Bid Amount
 \$186,625.00

 Change Orders 1
 \$ (119.50)

 Revised Contract Amount
 \$186,505.50

 Pay Request No. 1
 \$153,076.50

Balance of Contract \$33,429.00 (Including Retainage)

**Recommendation.** Consideration and Approval of the attached Resolution for Change Order No. 1 for a credit of \$119.50 and Final Pay Request in the amount of \$33,429.00 to Copenhaver Construction Company for the Bangs Lake Drain and 555 Willow Road Streambank Stabilization.



www.rhmg.com

975 Campus Drive, Mundelein, IL 60060 847.362.5959 | Fax 847.362.0864 847 South Randali Road Unit 183, Elgin, IL 60123

December 1, 2016

Mr. Brad Fink
Director of Public Works
Village of Wauconda
302 Slocum Lake Road
Wauconda, IL 60084

Re: Pay Request No. 2 & Change Order No. 1 - FINAL Bangs Lake Drain and 555 Willow Road Streambank Stabilization Project No. 21619013

Dear Mr. Fink:

Enclosed are Copenhaver Construction's Pay Request No. 2, final waivers of lien, certified payroll reports and Change Order No. 1 for work completed to date on the subject project.

Change Order No. 1 includes additional steel for the sheet pile corners at 555 Willow, the credit for the driveway repairs at 555 Willow, and an adjustment for the as-built guard rail quantity. The net amount of Change Order No. 1 is a \$119.50 credit. This results in a total final contract amount to \$186,505.50.

RHMG has inspected all of the work completed to date on this project. We have also reviewed Pay Request No. 2 and find it to be in order. Therefore, we recommend that the Village approve Change Order No. 1 and make payment to Copenhaver Construction, Inc. in the amount of \$33,429.00.

Also enclosed is a resolution approving Change Order No. 1 in the format suggested by Village Attorney Rudy Magna, which should be approved by the Village Board.

Sincerely yours,

RHMG Engineers, Inc.

William R. Rickert, P.E., BCEE, CFM

**President** 

WWR/wr

**Enclosures** 

Amount Due This Payment ===>> \$ 33,429,00 186,505,50 153,076,50 Total Completed to Date \$ Total Retention Held 0% Amount Previously Paid 11/13/2016 VIIIage of Wauconda Wauconda, IL 60084 Involce: 2 101 N Main Street Copenhaver Construction, Inc. Gilberts, 3L 60136 75 Koppie Drive

Project Bangs Lake Drain and 555 Willow Road Strembank Stabilization Balance Mar. Statebook

				Pulset No. 21619903								
E CM	(YEW	STORES	英型	UNIT PRICE	TOTAL COST	Total	Total This Inverse	fre	Previour Talais	4		total to Date
	2000年の大学の大学の大学		Her Qty		4meinst	1.0	Amount	tea	Impuni	毒	10	Amount
_	HISTALLATION OF STEEL SHEET PILE RETAINING WALL, INCLUDING SOLL EROSION AND SEDIMENTATION CONTROL, TOPSOL, EDISTING CROSS-SECTION	L-StUM		103,000.00	\$ 103,000,00	0.00	•	90'1		163,006.00	1.00	\$143,000,08
64	CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT - MATCH EXISTING CROSS - SECTION	F001	88	\$ 41,00	\$ 3,485.00	4.00	# 154.40	61.00	•	3,321.08	88.00	13,486.40
•	BITUMINOUS ROADWAY PAVEMENT REMOVAL AND REPLACEMENT (2-NCH SURPACE, 16-INCH BINDER, 6-INCH CCA-A AND FULL DEPTH PAVEMENT SAW CUTTING	S0 Y0	Ş	\$ 174.90	00'096'9 \$	9.4	\$ 614.10	34.03	••	8,284.00	40.00	\$6,950.00
•	STEEL PLATE BEAM GUARD RAR. REMOVAL AND REPLACEMENT	FOOT	160	\$ 911.00	\$ 15,680,00	164,26	\$ 15,312.50	9	•	·	156.25	\$15,312.80
49	REMOVE 18-INCH CORRUGATED PIPE AND REPLACE WITH 18-INCH PVC ASTN F714 DR-28 PRPE, REMOVE ASPNALT DRIVEWAY SOIL AND SEED LAWN RESTORATION	T-SUM	-	5 6,500.40	\$ 6,506.00	0.00	•	1.8	w	6,506.00	1,00	98,540.40
	Additive Attentiate 2			•	•				\$	•	0.00	20,02
	INSTALLATION OF STEEL SHEET PILE RETAINING WALL, (15- PEET HAGH) INCLUDING SOIL EROSION AND SEDMENTATION CONTROL, TOPSOIL EXISTING CROSS- SECTION	L-SUM	-	\$ 51,000.60	\$ 61,000,00	0.00	•	1.00	••	\$1,000.40	t.00	\$51,000.00
	AUP FOR STEEL SHEET CORNERS	L-SUR	+	\$ 2,848.80	00'846'Z \$	1.60	\$ 2,848.00	9	8	•	1.08	\$2,946.00
	CREDIT FOR DELMERAL DRIVE CAC	L-SUM	-	\$ (2,300.00)	(2,300.90)	1.00	\$ (2,300.60)	Q	8		1,06	(12,300.00)
	AUP CREDIT FOR STEEL CORNERS	F-SUR	-	\$ (400.00)	(408.00)	9,	\$ (400.0e)		8	•	1,04	(\$400.0D)
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				•	, 8		•			•	0.00	\$0.60
SPECI	SPECIAL PROMISION		DIG.	Project Total Budget =	\$ 185,873.00		\$ 16,420.50	0	S 170,	170,065.00		186,505.50

# REQUEST FOR AUTHORIZATION OF CHANGES CHANGE ORDER NO. 1

	Village of Wauconda 101 N. Main Street		roject No: ity:	21619013 Wauconda		
1	Wauconda, II. 60084	c	ounty:	Lake		
Contractor: Copenhaver Construction, Inc. 75 Kopple Drive		51	tate: ate:	#ilinois 11/28/16		
Gilberts, IL 60136			ate:	11/50/10		
Gentler	The following change from the Plans in the const	ruction of ti	ie above c	designated p	roject is recon	amended:
item No	Description	Quar	elity	Unit Price	Addition	Deduction
1,1.	Additional steel for sheet pile corners	1	LS	\$2,948.00	\$2,948.00	
1.2.	Credit for sheet pile corners labor	1	LS	\$400.00		\$400.00
1.3.	Credit for driveway repairs at 555 Willow Road	1	LS	\$2,300.00		\$2,300.00
1.4.	Adjustment for as-built quantity of Pay Item No. 4 — Steel Plate Beam Guard Rail Removal and Replacement	3.75	Foot	\$98.00		\$367.50
	Amount of this Order: Amount of Previous Order: Original Contract Amount: Revised Contract Amount::				(119.50) 0 186.625.00 186.505.50	
The wo	ork covered by this Order shall be performed unde ct.	r the same	terms and	conditions	as that include	d in the Origin
Адргоч	ral Recommended:	Арр	roved:		Date:	
RHMG	Engineers, Inc.	Own	ner's Repr	esentative		
Date: _	11/23/14	Acc	epted 94:		, Date:	28/16
			100	C		

#### RESOLUTION

# A RESOLUTION APPROVING CHANGE ORDER NO. 1 Copenhaver Construction, Inc. – Bangs Lake Drain and 555 Willow Road Streambank Stabilization

WHEREAS, Change Order No.1 has been presented to the Village of Wauconda for approval for the project known as Bangs Lake Drain and 555 Willow Road Streambank Stabilization, and

**NOW THEREFORE, BE IT RESOLVED**, by the President and Board of Trustees of the Village of Wauconda state as follows:

SECTION I:	Change Order N	No. 1 is hereby a	oproved by the Village of Wauconda
SECTION II:		Wauconda here e following reas	eby determined that the Change Order is on:
			tate the change in performance were not ne contract was signed.
T	he change is germ	ane at the time tl	ne contract was signed.
	he Change Order uthorized by law.	is in the best	interest of the Village of Wauconda and
<b>SECTION III:</b>	The Village her	eby further speci	fically determines as follows:
	k included in Chater, additional side		includes guard rail end markers, concrete on.
SECTION IV:	The Change Or	der in question:	
In	creases the cost of	f the subject con	tract by \$10,000.00 or more.
	he subject Change ays or more.	e Order increase	es/decreases the time of completion by 30
Adopted and	effective this	day of	, 2016.
			Village President
ATTEST:			
Village Clerk			

### AGENDA SUPPLEMENT

TO: Mayor Bart and Village Board

FROM: Brad C. Fink, Director of Public Works

FOR: December 20, 2016 Regular Village Board Meeting

RE: Presentation on the Street Light Replacement Project

**Background.** The Village of Wauconda owns and maintains 153 streetlights within its corporate limits. These street lights currently operate using high pressure sodium bulbs, which have been surpassed by light-emitting diode (LED) technology in terms of energy efficiency, lighting uniformity and useful life. Changes in LED street lighting technology have resulted in many operational advantages over the traditional lighting system. Some advantages of an LED system include the following:

- Reduction in power consumption of 45% over traditional bulbs
- Longer life expectancy: 50,000 hours for LEDs (approximately 11-13 years) vs. 4-5 years for traditional bulbs
- Lower maintenance costs due to elimination of ballasts, and less frequent need for labor costs

You may recall, this past summer ComEd successfully converted approximately 600 ComEd owned streetlights to LED. Included in this year's budget is \$50,000 for The Village to convert the remaining Village owned streetlights to LED.

Analysis. Public Works has been working with Power Energy Solutions on the streetlight LED conversion and they have assisted in applying for an Illinois Department of Commerce and Economic Development grant to fund the project. During the planning process it was discovered that the Village Hall, Public Works, Police Department, Lift Stations, and Wastewater Treatment Plant would also qualify for grant funding for various lighting upgrades. It is anticipated the grant would cover fixtures, installation, cleanup, and recycling. The following is a breakdown of projected costs:

Location	Cost	<b>Grant Funds</b>	Net Cost
Village Hall, CAC, Lift Stations, and Well Houses	\$33,659	\$33,659	\$0
Public Works and wastewater Treatment Plant	\$35,877	\$35,877	\$0
153 Village Streetlights	\$43,596	\$35,541	\$8,055
TOTAL	\$113,132	\$105,077	\$8,055

Should the Village receive the grant funding and move forward with the entire project, the Village would see an annual energy savings of \$31,496. This calculation excludes the Village Hall and CAC, as the Village is not charged electrical consumption as part of ComEd's franchise agreement. Consequently, the return on investment would be approximately 4 months.

Recommendation. Consideration and approval to waive the competitive bidding requirements and approve the Agreement with Power Energy Solutions for the comprehensive Village Lighting Upgrades for an amount not-to-exceed \$113,132 contingent upon receiving the Illinois Department of Commerce and Economic Development grant funds totaling \$105,077 for a net project cost of \$8,055.



Building Name
Village of Wauconda Street Light

Proposal Name
Viliage of Wauconda Street and Area Lighting
Upgrade

Wednesday, November 2, 2016



Wednesday, November 2, 2016

Dear Brad Fink and Alex Pryde,

Power Energy Solutions is pleased to submit this plan for a retrofit of your lighing system. The lighting retrofit will consist of the following:

- \*Installation of New LED Street Light and Area lights
- \*Existing Metal Halide, Fluorescent, and High Pressure Sodium fixtures will be removed and recycled.

Areas to be upgraded:

Aspen Grove

Saddlewood

Oak Grove

Town

Slocum & Osage

Main Street

Lake Point

The Cove

**Industrial Park** 

Liftstations

#### 157 Street and Area Lights in total.

How accurately this project woll affect your monthly electric bill may be determined by any additional hours that your lights are in use, any utility rate increases that may occur and any add-ons or deletions. The amounts of the grants and incentives will vary upon wattage of existing fixtures and wattage of proposed fixtures.

#### Grants:

(DCEO) Department of Commerce and Economic Opportuity is acccepting applications and awarding projects once budget is released. Anticipated amount \$35,541

#### **Total Project Cost:**

Fixtures, Installation, Cleanup, Recycling. \$43,596

**Project Cost after DCEO Incentive:** 

\$43,596-\$35,541= \$8055

Respectfully Submitted, Derek LaManna

N/A



# **Executive Summary**

#### **Project Overview**

Cost of Project
-----------------

Products (\$)	36,096
Services (\$)	7,500
Incentives (\$)	(35,540)
Net Cost of Project (\$)	8,055
Annual Operating Savings	
Energy Savings (\$)1,2	5,923
Maintenance Savings (\$)³	1,602
Total Annual Operating Savings (\$)	7,525
Operating Savings Over 10 Years	
Energy Savings (\$)1,2	59,234
Maintenance Savings (\$)	16,022
Total Operating Savings Over 10 Years (\$)	75,256
Payback Period (years)	0.0
Net Present Value (\$) <sup>4</sup>	50,961

- 1. Energy cost (\$) = 0.0500/kWh; Annual energy cost escalation (%) = 0.00
- 2. Energy savings are averaged over 10 year analysis period
- 3. Maintenance costs are averaged over 10 year analysis period
- 4. Assumed cost of capital (%) = 6.00
- 5. Product Tax Rate (%) = 0.00

Internal Rate of Return (%)

6. Service Tax Rate (%) = 0.00

#### **Financial Summary**

Total Project Cost (\$)	Net Project Cost (\$)	10 Yr Operating Savings (\$)	Payback Period (yrs)
43,596	8,055	75,256	0.0



Wednesday, November 2, 2016

#### Dear Brade Fink and Alex Pryde

Power Energy Solutions is pleased to submit this plan for a retrofit of your lighing system. The lighting retrofit will consist of the following:

- \*Installation of New LED Fixtures to repaice all extrior fixtures of Public Works
- \*Installation of New LED Fixtures to replace all interior fixtures of Public Works
- \*Existing Metal Halide, Fluorescent, and High Pressure Sodium fixtures will be removed and recycled.

How accurately this project woll affect your monthly electric bill may be determined by any additional hours that your lights are in use, any utility rate increases that may occur and any add-ons or deletions. The amounts of the grants and incentives will vary upon wattage of existing fixtures and wattage of proposed fixtures.

#### **Grants:**

(DCEO) Department of Commerce and Economic Opportuity is acccepting applications and awarding projects once budget is released. Anticipated amount \$35,877.

#### **Project Cost:**

Fixtures, Installation, Cleanup, Recycling. \$35,877.

Project Cost after DCEO Incentive: \$35,877-\$35,877=\$0

Respectfully Submitted, Derek LaManna

Derek Lamanna President 25741 Hillview Ct Mundelein, IL 60060 Phone: 847-942-8996

Email: derek@pesled.com



# **Executive Summary**

#### **Project Overview**

Cost	of	Pro	iect

Products (\$)	30,545
Services (\$)	5,332
Incentives (\$)	(35,874)
Net Cost of Project (\$)	3

## **Annual Operating Savings**

Energy Savings (\$)1,2	9,497
Maintenance Savings (\$) <sup>3</sup>	2,886
Total Annual Operating Savings (\$)	12,383

#### **Operating Savings Over 10 Years**

Energy Savings (\$)1,2	94,972
Maintenance Savings (\$)	28,863
Total Operating Savings Over 10 Years (\$)	123,835

Payback Period (years)	0.0
Net Present Value (\$) <sup>4</sup>	97,280
Internal Rate of Return (%)	N/A

- 1. Energy cost (\$) = 0.0600/kWh; Annual energy cost escalation (%) = 0.00
- 2. Energy savings are averaged over 10 year analysis period
- 3. Maintenance costs are averaged over 10 year analysis period
- 4. Assumed cost of capital (%) = 6.00
- 5. Product Tax Rate (%) = 0.00
- 6. Service Tax Rate (%) = 0.00

#### **Financial Summary**

Total Project Cost (\$)	Net Project Cost (\$)	10 Yr Operating Savings (\$)	Payback Period (yrs)
35,877	3	123,835	0.0



Wednesday, November 2, 2016

#### Dear Brad Fink and Alex Pryde

Power Energy Solutions is pleased to submit this plan for a retrofit of your lighing system. The lighting retrofit will consist of the following:

- \*Installation of New LED Fixtures and Rertofits
- \*Existing Metal Halide, Fluorescent, and High Pressure Sodium fixtures will be removed and recycled.

Village Hall **Senior Center** Liftstations Well Houses

How accurately this project woll affect your monthly electric bill may be determined by any additional hours that your lights are in use, any utility rate increases that may occur and any add-ons or deletions. The amounts of the grants and incentives will vary upon wattage of existing fixtures and wattage of proposed fixtures.

#### **Grants:**

(DCEO) Department of Commerce and Economic Opportuity is acccepting applications and awarding projects once budget is released. Anticipated amount \$33,659

#### **Project Cost:**

Fixtures, Installation, Cleanup, Recycling. \$33,659

Project Cost after DCEO Incentive: \$33,659-\$33,659= \$0

Respectfully Submitted, Derek LaManna

Derek Lamanna President 25741 Hillview Ct Mundelein, IL 60060 Phone: 847-942-8996

Email: derek@pesled.com

N/A



# **Executive Summary**

#### **Project Overview**

Cost	of	Pro	iect

Products (\$)	26,229
Services (\$)	7,430
Incentives (\$)	(33,632)
Net Cost of Project (\$)	27
Net Cost of Project (\$)	27

#### **Annual Operating Savings**

Energy Savings (\$) <sup>1, 2</sup>	16,076
Maintenance Savings (\$)³	2,698
Total Annual Operating Savings (\$)	18,774

Operating Sayings Over 10 Years	
Energy Savings (\$)1,2	160,762
Maintenance Savings (\$)	26,980
Total Operating Savings Over 10 Years (\$)	187,742
Payback Period (years)	0.0
Net Present Value (\$) <sup>4</sup>	145,262

- 1. Energy cost (\$) = 0.1000/kWh; Annual energy cost escalation (%) = 0.00
- 2. Energy savings are averaged over 10 year analysis period
- 3. Maintenance costs are averaged over 10 year analysis period
- 4. Assumed cost of capital (%) = 6.00
- 5. Product Tax Rate (%) = 0.00

Internal Rate of Return (%)

6. Service Tax Rate (%) = 0.00

#### **Financial Summary**

Total Project Cost (\$)	Net Project Cost (\$)	10 Yr Operating Savings (\$)	Payback Period (yrs)
33,659	27	187,742	0.0

# AGENDA SUPPLEMENT

TO: Mayor Bart and Village Board

FROM: Douglas K. Maxeiner, Village Administrator

FOR: December 20, 2016 Regular Village Board Meeting

RE: Renewal of Workers' Compensation, Property, Vehicle, and Liability

Insurance for the 2017 Calendar Year

**Background.** The Village switched insurance coverage from the Illinois Municipal League's Risk Management Association (IMLRMA) insurance pool a few years ago due to some concerns about long term stability and price competitiveness. The workers' compensation coverage is with the Illinois Public Risk Fund (IPRF) while the property, vehicle and liability coverage has been with Brit Global. Staff recently received quotes on the renewal packages for the 2017 calendar year resulting in some generally positive renewal news.

Analysis. In total, the 2017 renewal premium increases \$16,841 (4.4%) compared to last year's renewal. However, when comparing the 2017 premium to 2013, the total premium is \$38,837 (8.8%) less. The premium for workers' compensation coverage increased \$15,302 (7.0%) from the prior year while property, casualty, and liability coverages increase a total of \$1,539 (0.9%).

With regard to workers' compensation, the 2017 rates actually decrease 1% compared to the prior year but the increase in Patrol Officer payroll is the primary cause for the larger premium. Worker compensation rates have declined or remained stable over the past few years. Compared to premiums for 2013, the 2017 renewal premium for workers' compensation coverage is \$57,163 (19.6%) less than what the Village paid four years ago.

For property, vehicle, and liability coverages, the total premium increases a modest \$1,539 (0.9%) from the prior year despite increases in property values and an increase in the number of vehicles covered from 60 to 65.

**Recommendation**. Staff requests authorization to renew the workers' compensation coverage through IPRF for an estimated amount of \$234,990 and the property, vehicle, and liability coverage through Glatfelter in the amount of \$166,724 for the 2017 year.

Insurance Renewal 2017 Village of Wauconda, IL

Insurance Renewal 2017						'16 to '17 Dollar	'16 to '17	'13 to '17	'13 to '17
	2013	2014	2015	2016	2017	Difference	Difference	Difference	Difference
Worker's Compensation									
Workers Compensation - Premium (Note 1) Results of Audit 2014	\$292,153	\$301,370 (\$63,295)	\$224,231	\$219,688	\$234,990	\$15,302	7.0%	(\$57,163)	-19.6%
Net Premium - Workers Compensation	292,153	238,075	224,231	219,688	234,990	15,302	7.0%	(57,163)	-19.6%
Property, Liability, and Vehicle Coverage									
Property & Liability Coverage (Note 2)	94,065	97,583	98,693	101,604	73,860	(27,744)	-27.3%	(20,205)	-21.5%
Vehicle (Note 3)	26,678	30,479	30,454	37,300	57,960	20,660	55.4%	31,282	117.3%
Liability (Umbrella - \$8 million limit) Increase in limits (\$2 million)	27,655	24,864 2,130					0.0%		
Liability (Umbrella - \$10 million limit)			26,394	26,281	34,904	8,623			
Liability Coverage (Umbrella Total - Note 4)	27,655	26,994	26,394	26,281	34,904	8,623	32.8%	7,249	26.2%
Net Premium - Property, Casulty, & Liability	148,398	155,056	155,541	165,185	166,724	1,539	%6.0	18,326	12.3%
Total Annual Renewal (All Lines) (Note 5)	\$440,551	\$393,131	\$379,772	\$384,873	\$401,714	\$16,841	4.4%	(\$38,837)	-8.8%

(1) Based on increase in payroll structure values from \$21.1 million (2016) to \$21.7 million (2017) (2) Based on increase in structure values from \$21.1 million (2016) to \$21.7 million (2017) (3) Based on increase in number of vehicles from 60 (2016) to 65 (2017) (4) Umbrella Coverage was increased to \$10 million in 2014 (5) Worker's Compensation through IPRF and Other Insurance Through Glatfelter

#### AGENDA SUPPLEMENT

TO: Mayor Bart and Village Board

FROM: Brad C. Fink, Director of Public Works

FOR: December 20, 2016 Regular Village Board Meeting

RE: Design Engineering Service Agreement
Lift Station No. 9 – Hollow Hill Drive Improvements

Background. Included in this year's Capital Improvements Plan and identified in the Wastewater Collection & Treatment Asset Management Plan are upgrades to Lift Station No. 9 located at the end of Hollow Hill Drive. This lift station services the majority of the industrial buildings on Hollow Hill Drive and Kyle Court. The proposed project consists of replacing both pumps, structural rehabilitation of part of the wet well, a new access hatch, and providing an onsite emergency generator. This lift station was constructed in 1984 and the submersible pumps are at the end of their service life.

Analysis. RHMG Engineers, Inc. has submitted the attached Design Engineering Service Agreement for the improvements to Lift Station No. 9 – Hollow Hill for an amount not-to-exceed \$19,975. Staff has reviewed the proposal from RHMG Engineers, Inc. and recommends its approval. The proposed project supports the Village's strategic goal of investing in sustainable infrastructure to provide excellence in governance.

**Recommendation.** Consideration and approval of the Design Engineering Services Agreement with RHMG Engineers, Inc. improvements to the Lift Station No. 9 – Hollow Hill for an amount not-to-exceed \$19,975.



vww.rhmg.com 97

975 Campus Drive, Mundelein, IL 60060 847.362.5959 | Fax 847.362.0864 535 Toligate Road, Suite F, Elgin, IL 60123 847.742.5959 | Fax 847.742.0863

July 25, 2016

Mr. Brad Fink
Director of Public Works
Village of Wauconda
302 Slocum Lake Road
Wauconda, IL 60084

Re: Proposal for Engineering Services

Lift Station No. 9 - Hollow Hill Drive

Pump Replacement, Structural Rehabilitation and On-Site Emergency Generator

Dear Mr. Fink:

Pursuant to your request, we are pleased to submit this proposal to perform professional engineering services relative to the improvements at Lift Station No. 9. The scope of the improvements are outlined in Village's Wastewater Collection and Treatment Asset Management Plan. Specifically, this entails replacing both submersible pumps, structural rehabilitation of the wet well top, new pump hatch and providing an on-site emergency generator for the lift station.

The lift station pumps being replaced are original to the station which were installed in 1984 and are at the end of their service life. The concrete wet well top is spalling and the pump hatch is corroded, rusted requiring replacement of both components. The proposed emergency generator will allow for uninterrupted sanitary sewer service for the collection area which is mainly comprised of commercial businesses.

Our proposed scope of services includes the following:

#### **Design Phase Services**

- 1. Review record drawings and lift station data
- 2. Site visit to verify dimensions
- 3. Perform generator sizing calculations and equipment selection including automatic transfer switch (ATS)
- 4. Prepare bypass pumping plan
- 5. Prepare design plans for the installation of the new pumps, concrete wet well top, pump hatch and emergency generator
- 6. Prepare technical specifications and bidding documents
- 7. Prepare opinion of probable construction cost (OPCC)



Mr. Brad Fink **Director of Public Works** 

Village of Wauconda
Re: Proposal for Engineering Services
Lift Station No. 9 – Hollow Hill Drive

July 25, 2016 Page 3

# Authorization by Village of Wauconda

Agreed to this day of	, 2016
By (Print):	
Signature:	
Title;	



Mr. Brad Fink
Director of Public Works
Village of Wauconda
Re: Proposal for Engineering Services
Lift Station No. 9 – Hollow Hill Drive

July 25, 2016 Page 2

#### **Bidding Phase Services**

- 1. Prepare bid advertisement and distribute bid documents
- 2. Respond to bidder questions
- 3. Perform a bid evaluation and make a recommendation for contract award

#### **Construction Phase Services**

- 1. Preconstruction meeting
- Shop drawing review
- 3. Respond to contractor requests for information (RFI's)
- 4. Periodic site visits
- 5. Review pay requests and project closeout

RHMG proposes to perform the above services on an hourly basis using the billing rates included in our Village Engineer contract, with a not-to-exceed limit of \$19,975. The basis of our proposed fee limit is shown on the attached Exhibit A.

Thank you for this opportunity to be of continuing service to the Village of Wauconda. If you have any questions or need additional information regarding this proposal, please do not hesitate to contact me.

Sincerely yours,

RHMG ENGINEERS. JNC.

William R. Rickert, P.E., BCEE, CFM

President

Attachment



# Exhibit A Man-Hour and Fee Estimate Village of Wauconda Lift Station No. 9 (Hollow Hill Drive) Improvements

	Pirmorpal I	Senior	HOUR Electrical	Drafter /	2W W	*
Project Task	Proc. Manager	Ensumen	Emmen	Deciminan	Glernil	Total
Design and Steding						
Review record drawings and station data			2		7	\$ 535
Site visit & verify field dimensions		2		2		\$ 449
Generator & ATS sizing and equipment selection			4			\$ 535
4. Design plans: civil, mechanical and electrical	4	16	8	24		\$ 6,071
5. Technical specifications and bidding documents	2	8	8			\$ 2,483
6. Prepare OPCC	2	2	2			\$ 877
7. Prepare bid advertisement & distribute bid documents		2		4	4	\$ 886
Bidding Assistance (RFIs and Addendums)	2	2	2			\$ 877
Bid evaluation and recommendation for award	1	2				\$ 439
Total Hours Billing Rate	\$ 171.06		26 \$ 133.82	30 \$ 90.62		107
Labor Cost	\$ 1,882	\$ 4,818	\$ 3,479	\$ 2,719	\$ 255	<b>\$</b> 13,153
Direct Expenses Reproductions, travel, rental equipment, etc.						\$462
Fee for Design and Bidding Services						\$13,615
	Principal /	Semor	HOUR Electrical	S. Construction		
Project Task	Proj. Manager	Engineer	Engineer	Engineer	Clerical	Total
Construction Services						
Shop Drawing Review		2	2			\$ 535
Respond to Contractor Questions / Clarifications	2	2	2	entrimer en menurera per essa procupanto.	and the same of th	\$ 877
Construction Observation (Periodic Site Visits)				24		\$ 2,175
Review Contractor Pay Requests	2	2				\$ 610
5. Start-Up Assistance		4	4			\$ 1,071
8. Project Closeout	2	4				\$ 877
				an engles par y Tara		
Total Hours Billing Rate	6 \$ 171.06	14 \$ 133.82	8 \$ 133.82	24 \$ 90.62	0	52
Labor Cost	\$ 171.06 \$ 1,026		\$ 133.82 \$ 1,071			\$6,145
Direct Expenses						
Reproductions, travel, rental equipment, etc.	n u - resinguente monte equicación del del destroyay	Commence of the commence of th				\$215
Fee for Construction Services				20.		\$6,360
		The same of the sa			Total Fee	\$19,975

# **AGENDA SUPPLEMENT**

TO:

Mayor Bart and Village Board

FROM:

Brad C. Fink, Director of Public Works

FOR:

December 20, 2016 Regular Village Board Meeting

RE:

Request for Authorization to Forward Funds, up to the Amount of \$2,149,921, to the Central Lake County Joint Action Water Agency (CLCJAWA) for the Detailed Engineering Design Services for the West

**Group Water System Expansion Transmission Main** 

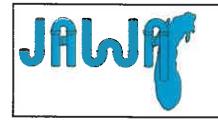
**Background.** At the November 10, 2016 West Group Technical Committee meeting, the committee was presented with the detailed engineering scope and fees for the Central Lake County Joint Action Water Association (CLCJAWA) external transmission main. The proposed detailed engineering scope of services is attached for your reference. This phase of the engineering is for a not-to-exceed fee of \$2,149,921.00.

Analysis. The Intergovernmental Agreement between Wauconda and Volo regarding CLCJAWA membership references the cost allocation for the design services. Wauconda and Volo shall each pay a share of the design based upon the relative equalized assessed valuations of real estate located within each of the parties' territories. However, the agreement further states Wauconda shall make the initial required deposits with CLCJAWA in a total amount not-to-exceed \$2,500,000. To date the Village has deposited \$1,329,533.00 with CLCJAWA.

01/09/2015	West Group Route Study	\$ 176,915.00
10/13/2015	West Group Preliminary Engineering	\$1,153,618.00
	Total	\$1,329,522,00

The Village of Wauconda is working with CLCJAWA and Volo on the funding for this phase of the project. Currently CLCJAWA is considering a phased funding approach allowing the West Group to deposit half of the detailed engineering cost at this time. However, Staff is seeking authorization to deposit up to \$2,149,921.00 with CLCJAWA, if needed, to allow for the most flexibility in developing a funding plan.

Recommendation. Authorization to forward funds, up to the amount of \$2,149,921.00, to the Central Lake County Joint Action Water Agency (CLCJAWA) for the West Group external transmission main detailed engineering.



#### Agenda Item No. 8a

# **CLCJAWA West Group Expansion Technical Committee**

То:	West Group Expansion Technical Committee	
Item:	Additional Agenda Items	
Issue:	Task Order WB – Detailed Design Scope of Services and Fee	
Timing:	Important	

Presented as part of Agenda Item No. 8a is the scope of work and fee for Task Order WB — Detailed Design. The engineering fee for detailed design is a not-to-exceed amount of \$2,149,921.

#### **Recommendation/Action:**

Motion by the Technical Committee to approve CDM Smith's Detailed Design Scope and Fee.

# CENTRAL LAKE COUNTY JOINT ACTION WATER AGENCY (AGENCY) WATER SYSTEM EXPANSION

# TASK ORDER WB: DETAILED ENGINEERING DESIGN SERVICES, WEST GROUP SCOPE OF SERVICES NOVEMBER 07, 2016

#### PROJECT BACKGROUND/DESCRPTION

The Central Lake County Joint Action Water Agency (CLCJAWA) has entered into an agreement with the West Group communities to provide potable water supply. The West Group is composed of the Village of Wauconda and the Village of Volo. In order for CLCJAWA to serve these communities a number of improvements are needed both in the near term and long term. The near term or immediate improvements needs include a water transmission main along with one branch and one delivery structure to each community.

CDM Smith (ENGINEER) has executed a Master Engineering Services Agreement (Agreement) to provide professional engineering services to CLCJAWA in support of the water system expansion. The scope of services for the Water Transmission Main System Expansion includes Task WA, Preliminary Engineering Design Services; Task WB, Detailed Engineering Design Services; and Task WC, Construction Related Engineering Services. Task WA is currently being completed. The scope of services described in this document is for Task WB, Detailed Engineering Design Services, for the West Group. This work is being overseen by the Technical Committee composed of CLCJAWA, Wauconda, Volo, and one representative from the existing members (Round Lake). The project is divided into four distinct bid packages. CDM Smith will be the Engineer of Record on Bid Packages #1, #3 and #4. Strand and Associates will the Engineer of Record on Bid Package #2.

The Scope of Work and associated fee is based on the North Group Detailed Design effort currently being completed, including engineering design for the delivery structures, civil details, erosion control plan, technical specifications, and other applicable components of the Project.

#### SCOPE OF WORK

ENGINEER will provide detailed design professional engineering services as described in the following tasks.

- Task B1 Prepare 60% and 90% Contract Documents for the Transmission Main Bid Packages
- Task B2 Prepare 60% and 90% Contract Documents for the Delivery Structures
- Task B3 Prepare Final (100%) Contract Documents
- Task B4 Additional Design Elements and Evaluations
- Task B5 Coordination with Agencies and Permits Preparation
- Task B6 Cost Estimation (60% and 90% Milestones)

Task B7 - Project Design Review Workshops

Task B8 - IEPA SRF Loan Program Coordination

Task B9 - Bidding Service and Contractor Selection

Task B10 - Allowance for Additional Field Services and Permit Fees

Task B11 - Easement Acquisition Assistance

Task BPM - Project Management, Coordination, and Meetings

## Task B1 - Prepare 60% and 90% Contract Documents for the Pipeline

30% Drawings or Plans are being prepared under Task Order Task WA, Preliminary Engineering Report for the West Group.

As part of this Task, ENGINEER will complete the following subtasks:

- 1) 60% and 90% plans and specifications for the pipeline and associated appurtenances, valves, blow-offs, and air release/vacuum valves.
- 2) Electronic copies of each design deliverable will be submitted to the Agency and Technical Committee for review at the 60% and 90% completion points. Up to three (3) full-size and three (3) half-size sets of each design deliverable will be made available upon request.
- 3) The design work will be based on four prime construction contracts (i.e. four bid packages).
- 4) Technical specifications will be based on a 16-division format and include specifications to cover the pipeline and associated appurtenances.

Plans and specifications developed under this Task will be based on the design criteria established under the PER Phase of the Project. It is anticipated that the hydraulic and surge analyses will be refined as required as part of this task based on the 90% design set. Also, final sizing of the air release/vacuum valves will be done as part of this for surge protection and proper maintenance of the pipeline.

## Task B2 - Prepare 60% and 90% Contract Documents for the Delivery Structures

As part of this Task, ENGINEER will complete the following subtasks

- 1) 60% and 90% design documents for the two delivery structures. The structure will be designed based on the P&ID and design criteria developed under the PER Task Order.
- 2) Each delivery structure will include the following:
  - a. Underground structural vault with hatch/ladder access

Page 2 of 7

- b. Piping, valves, and instruments as shown on P&ID
- c. Unit heater, ventilation fan, and dehumidification unit.
- d. New electrical ComEd Service
- e. New radio to communicate analog and digital signals to the WTP
- f. New PLC control panel
- g. Civil/site improvements at each delivery structure site.
- 3) It is assumed that existing topographic survey and geotechnical data gathered during the PER phase will be adequate based on the preliminary locations of delivery structures. No additional field investigations for the delivery structures are included in this Task.

The design work for the delivery structures will include civil/site, structural, architectural, plumbing, electrical, process and instrumentation. A new electrical service for each delivery structure will be coordinated with ComEd.

## Task B3 - Prepare Final (100%) Contract Documents

After Agency and Technical Committee review and approval, final (100%) Contract Documents will be developed. The documents will include contract agreement forms, general conditions, supplementary conditions, bid forms, invitations to bid, instructions to bidders, bond forms, general requirements, and supplementary information, plus the technical specifications and engineering drawings prepared in the tasks above.

The frontend general conditions will be prepared in accordance with the IEPA SRF Loan requirements.

#### <u>Task B4 – Additional Design Elements and Evaluations</u>

As part of this Task, the ENGINEER will complete the following subtasks:

- 1) Complete the design of the Corrosion Protection System
- 2) Develop the Geotechnical Design Criteria
- 3) Evaluate Suitable Trenchless Methods for Various Crossings
- 4) Hydraulic and surge model refinement based on the final alignments.
- 5) Finalize sizing of air release and air vacuum valves.
- 6) Develop a Chlorination Plan

Page 3 of 7

#### Task B5 - Coordination with Agencies and Permit Preparation

The ENGINEER has coordinated with agencies for permitting under Task Order Task WA, Preliminary Engineering Report for the West Group. The ENGINEER will continue coordination, and the preparation of permits, with the following agencies, local governments and utilities:

- Permitting agencies including: the Illinois Department of Natural Resources, Illinois Department
  of Transportation, Illinois Environmental Protection Agency, Lake County Department of
  Transportation, Lake County Forest Preserve District, Lake County Public Works Department,
  Lake County Storm Water Management Commission, and United States Army Corps of
  Engineers.
- Local governments including: the Village of Grayslake, Village of Mundelein, Village of Round Lake, Village of Round Lake Park, Village of Wauconda, Village of Volo, Fremont Township, Wauconda Township and Wauconda Park District.
- Utilities and railroad including: AT&T, Canadian National Railroad, Commonwealth Edison, Comcast Cable, Kinder Morgan, MCI, Nicor Gas, Northshore Gas, and Zayo Fiber.

The Scope of Work assumes up to 500 hours of effort by CDM Smith for this task. If additional hours are required, an amendment to this task may be required.

#### Task B6 - Cost Estimation (60% and 90% Milestones)

The ENGINEER has prepared an opinion of probable construction cost under Task Order Task WA, Preliminary Engineering Report for the West Group for each individual bid package. The ENGINEER will update the cost estimates based on the 60% and 90% engineering drawings and specifications:

- Update the previously developed opinion of probable construction cost at the 60% and 90% completion points for each bid package.
- 2) The opinion of probable construction cost shall be presented to the Technical Committee for review at the 60% and 90% completion points for each bid package.
- 3) The opinion of construction cost will follow the CSI format, including construction cost allowances and contingencies based on the level of design development. The level of accuracy for construction cost estimates varies depending on the level of detail to which the project has been defined at the time the estimate is developed. The American Association of Cost Engineers has established a guideline for cost estimate accuracy vs. level of project development. The opinion of probable construction cost prepared for this task is considered a budgetary type with an estimated accuracy of +20% to -10% at 60% completion, and +15% to -5% at 90% completion.

## Task B7 - Project Design Review Workshops

The ENGINEER will host and facilitate design review workshops at the 60% and 90% design milestones. Each workshop will include Technical Committee members and Agency staff, and CDM Smith Technical Review Members. Each workshop will include up to three Technical Review members with expertise in subject matter including geotechnical, pipeline, and constructability. The members will prepare written review comments as well as mark-ups on the design drawings to be reviewed and incorporated by the project team. The Technical Review members will also provide value engineering considerations for the project team. Meeting summaries and action items will be prepared.

#### Task B8 - IEPA SRF Loan Program Coordination

The IEPA Project Plan for the West Group pipeline extension was prepared and submitted to the IEPA under Task Order WA, Preliminary Engineering Report for the West Group. The IEPA Project Plan is one part of the process of obtaining financing from the IEPA Public Water Supply Loan Program. As part of this task, ENGINEER will provide the following:

- 1) Coordinate and meet as necessary with IEPA.
- 2) Continue assisting the Agency in the loan application process, including the items noted in Exhibit B, "Submittals & Milestones for Obtaining an IEPA Loan Agreement."
- 3) Preparation or coordination for submission of financial, technical, and legal documents to secure IEPA funding. It is anticipated that four separate loan applications will be prepared separately.

#### Task B9 - Bidding Services and Contractor Selection

As part of this Task, ENGINEER will provide the following:

- Assist the Agency in obtaining construction bids for four prime construction contracts (bid packages) including maintaining a list of plan holders, and receiving and processing payments for the Bidding Documents. It is assumed that the documents will be electronic copies only, using internet based distribution. Document printing for bidding is not included in this scope of services.
- 2) Facilitate a pre-bid meeting for each contract or bid package.
- Answer questions during bidding and issue addenda as appropriate to interpret or clarify the Bidding Documents.
- 4) Prepare a bid tabulation sheet and attend the bid opening.
- 5) Evaluate the bids and prepare a recommendation to the Agency and Technical Committee for award of the Contract.

- 6) Prepare a "Notice of Intend to Award", a "Notice of Award", and a "Notice to Proceed" and up to four sets of Contract Documents from the successful Contractor's proposal for execution by the Agency and the Contractor.
- 7) Bidding services will be closely coordinated with IEPA SRF.

## Task B10- Allowance for Additional Field Services and Permit Fees

An allowance of \$50,000 will be included for additional field services: surveying, geotechnical, and wetland delineation.

In addition, an allowance of \$30,000 is included for permit fees.

## Task B11 - Easement Acquisition Assistance

The ENGINEER will provide the following services as part of this task.

- ROW Sub-consultant Management: Establish and maintain schedule on parcel basis, weekly
  progress phone calls with sub-consultants, and establish negotiation guidelines.
- Design Coordination: Adjust easement limits or adjust pipeline alignment within the area of the selected leg from the Route Study as a result in any difficulties in acquiring the needed property of interest.
- 3) ROW Documentation: Establish project file for documentation of work on each parcel. The following records will be maintained for each parcel.
  - a. Plat of Survey with easement limits
  - b. Legal Description(s) of Temporary and Permanent Easements
  - c. Title Report
  - d. Documentation of basis for offer
  - e. Full appraisal when prepared
  - f. Correspondence with owner of record
  - g. Final accepted price
  - h. Complete negotiation file
  - i. Recorded plat(s) and deed(s)
  - j. Status of acquisition

Page 6 of 7

- k. Any negotiated commitments to be fulfilled during design or construction
- 4) Condemnation Referral and Management: In the event that the property of interest is not acquired through negotiation, the ENGINEER will advise the OWNER as to the best course of action.

The level of effort for this task assumes a total of 50 easements (permanent, temporary or combination). It is possible that the number of easements required can be reduced or increased during the design phase. The fee associated with this level of effort does not include formal appraisals or condemnation services.

## Task BPM - Project Management, Coordination and Meetings

The ENGINEER will provide the following services as part of this task.

- 1) Attend and facilitate (as necessary) monthly Technical Committee meetings. For budgeting purposes, up to 12 meetings have been assumed.
- 2) Develop and monitor project schedule and budget on a monthly basis.
- 3) Maintain a checklist of outstanding and upcoming responsibilities and tasks.
- 4) Prepare monthly summary reports and invoices.
- 5) Attend additional progress meetings with the Technical Committee or Agency as required.
- 6) Assist the Agency in processing the Contract Documents with the appropriate regulatory agencies.
- 7) Meet with representatives of the Agency and appropriate regulatory agencies when requested and necessary for consultation or conferences in regard to design of the Project.

#### **Schedule**

CDM Smith will complete the design of the four bid packages within one year of the notice to proceed. The detailed schedule for each bid package is being developed under the PER Phase.

#### **Fee**

Exhibit 1 provides a detailed summary of the level of effort for the above project scope tasks. The not-to-exceed is \$2,149,921. This will be billed on a monthly basis using a cost times a factor basis at an ELM of 3.1.

# AGENDA SUPPLEMENT

TO:

Mayor Bart and Village Board

FROM:

Brad C. Fink, Director of Public Works

FOR:

December 30, 2016 Regular Village Board Meeting

RE:

Lake Michigan Water Internal Improvements Phase 3

Design Engineering Contract Amendment No. 1.

**Background.** The Village previously entered into an agreement with RHMG Engineers, Inc. for the design engineering and bidding for the Lake Michigan Water Internal Water System Improvements Phase 3 for an amount not-to-exceed \$192,547. During preliminary design meetings with RHMG Engineers and Staff, a number of additional items were identified that need to be addressed as part of this phase.

**Analysis.** RHMG Engineers, Inc. has submitted the attached Design Engineering Contract Amendment No. 1 for the Board's consideration, which contains additional fees associated with the following items:

- Additional Supervisory Control and Data Acquisition (SCADA) System Modifications
- Gilmer Road Deceleration and Right Turn Lane
- Repurposing of Well No. 10 Treatment Building to House New Booster Pump
- Well No. 10 Abandonment
- Review Well No. 4 Hydraulics with Respect to Lake Michigan Water Conversion

A detailed description of each item can be found in the Design Engineering Contract Amendment No. 1. If approved the amendments will total \$35,312 in additional fees.

**Recommendation.** Consideration and approval of the proposed Lake Michigan Water Internal Water System Improvements Phase 3 – Design Engineering Contract Amendment No. 1 with RHMG Engineers, Inc. for \$35,312 increasing the total not-to-exceed limit for this contract from \$192,547 to \$227,859.



www.rhmg.com

975 Campus Drive, Mundelein, IL 60060 847.362.5959 | Fax 847.362.0864 847 South Randall Road Unit 183, Elgin, IL 60123

December 1, 2016

Mr. Brad Fink
Director of Public Works
Village of Wauconda
302 Slocum Lake Road
Wauconda, IL 60084

Re:

Design Engineering Services - Contract Amendment No. 1

Internal Water System Improvements

Associated with Lake Michigan Water - Phase 3

Dear Mr. Fink:

Pursuant to our discussions, RHMG is pleased to submit this proposal to amend our Lake Michigan Water Internal System Improvements — Phase 3 design and bidding phase engineering services contract to include additional scope design services.

#### Scope of Services

Our scope of services for this contract amendment includes:

#### 1. Addition of SCADA System Modifications

As part of the conversion to a Lake Michigan Water Supply, the Village's Water SCADA (Supervisory Control and Data Acquisition) System will have to be modified and upgraded in order to tie together the new and existing water facilities for the Lake Michigan Water System. An outline of the scope of the SCADA modifications is included in Exhibit A. The original thinking was that this work would be performed under a separate contract, i.e. Phase 3C, however, after further consideration it has been determined that it is most desirable to incorporate this work into the Phase 3B construction contract. RHMG will subcontract with B & WCSI for the design of the SCADA system modifications. B & WCSI is familiar with the Village's SCADA system based on work that they have performed in the recent past and the Village has been satisfied with their performance.

#### 2. Gilmer Road Right Turn Lane

Due to high speed traffic on Gilmer Road, access to the site of current Wells No.'s 9 and 10 and the proposed Lake Michigan Water Receiving Station Reservoir and Booster Pump Station is dangerous for the Village Department of Public Works staff. Therefore, at our most recent design review meeting it was requested that a right turn lane into the site be added on east—bound Gilmer Road. Since Gilmer Road is a County Highway, the design will conform to all applicable LCDOT standards and approval/permitting will be required from LCDOT.



Mr. Brad Fink Director of Public Works Village of Wauconda

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## 3. Repurposing of Well No. 10 Treatment Building to House Booster Pump Station

It was originally envisioned that a new building would be required to house the booster pumps and associated piping, valving, controls, etc. However, after site inspections and input from Department of Public Works staff it was determined that Well No. 10 could be taken out of service prior to the receipt of Lake Michigan water and that the Well No. 10 Treatment Building could be reconfigured as the booster pump station. The net effect of this change is a significant reduction in the level of architectural design and drafting work.

#### 4. Well No. 10 Abandonment

As part of the conversion to Lake Michigan Water all four of the existing shallow wells will be abandoned. Based on its location with respect to site piping and other site improvements associated with the conversion of the Well No. 10 Treatment Building to the booster pump station, it will be necessary to abandon Well No. 10 as part of the new contract for Phase 3B construction. This will require preparation of plans and specifications defining the details of abandonment and closing of the well. Permitting from the Illinois Department of Public Health (IDPH) and Lake County Health Department will be required.

#### 5. Review Well No. 4 Hydraulics with Respect to Lake Michigan Water Conversion

Well No. 4 is one of the deep wells that will remain as an emergency backup supply well. Currently Well No. 4 discharges into a gravity aerator which in turn discharges into a detention tank. High service pumps take suction out of the detention tank and pump water through an ion exchange softening system and into the distribution system. After conversion to Lake Michigan Water, the ion exchange treatment system will not have to be operated during the rare instances when Well No. 4 is in emergency back-up usage. Therefore, Well No. 4 could possibly discharge directly into the distribution system bypassing the detention tank and high service pumps. However, because the discharge pressure will be much higher in this mode, a hydraulic analysis needs to be performed in order to determine the following:

- a. The Well No. 4 discharge rate when pumping directly into the distribution system.
- **b.** The required pump stages and motor horse power for Weil No. 4 to deliver the desired flow rate directly to the distribution system.
- c. Is it more cost-effective to continue to have Well No. 4 discharge into the detention tank and maintain the existing high service pumps?



Mr. Brad Fink Director of Public Works Village of Wauconda

Re: Design Engineering Services – Contract Amendment No. 1

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#### Fees

We propose to perform the above additional scope services on an hourly rate basis under the Additional Services Section of our existing Village Engineer Agreement. Our proposed not-to-exceed fee limit for the additional services as shown in Exhibit B is \$35,312, which increases the total not-to-exceed fee limit for this contract from \$192,547 to \$227,859.

You may authorize this Contract Amendment No. 1 by executing the signature block below and returning a copy of this letter.

We appreciate this opportunity to be of continuing service to the Village of Wauconda.

Sincerely yours,

RHMG ENGINEERS, INC.

William R. Rickert, P.E., BCEE, CFM

President

WRR/kar

Enclosures

Agreed to this \_\_\_\_\_ day of\_\_\_\_\_\_, 2016

By:\_\_\_\_\_\_

Title:

# EXHIBIT A SCADA SCOPE LAKE MICHIGAN WATER INTERNAL IMPROVEMENTS VILLAGE OF WAUCONDA

1. RTU at Gilmer Road Reservolr/Pump Station
2. RTU at Bonner Road Elevated Tank & PRV Station
3. RTU at Old Rand Road PRV Station
4. RTU at Well House No. 4 PRV Station
- New RTU for Well No. 4 as backup & PRV Station
5. RTU at Grand Boulevard Booster Pump Station/PRV Station
- New RTU for Booster P.S. & PRV Station
6. New RTUs at Existing Deep Wells to Remain as Emergency Backup Supply
- Well No. 4
- Well No. 7
- Well No. 8
- Well No. 9
7. New RTUs at Existing Elevated Tanks
- Tank No. 1
- Tank No. 2
- Tank No. 3
- Tank No. 4

8. Re-programming of SCADA System Software at DPW Server

# EXHIBIT 8 MANPOWER AND FEE REQUIREMENTS INTERNAL WATER SYSTEM IMPROVEMENTS - PHASE 3 CONTRACT AMENDMENT NO. 1 VILLAGE OF WAUCONDA

	12100									
	HOURS Project Sen. Proj. Project Elect. Struct. Senjor									
TASK  1. Addition of SCADA System Modifications	Manager	Engineer	Engineer	Engineer	Engineer	Architect	Technician	Technician	Clerical	Total
1.1. Coordination with B&WCSI	8	16		8		· -			1	33
1,2. Design/prepare plans & specifications (included in S&WCSI suncontract)										
Subtotal	8	16	0	8	0	0	0	0	1	33
2. Gilmer Road Right Turn Lane										
2.1. Research & data collection	2		6						6	14
2.2: Topographic survey & base drawings	2		B				22	8		40
2.3. Prepare plans & specifications	4	4	40				25		4	77
2,4. Quantities and final cost estimate	1		2				2			5
2,5. Review meeting with Village staff	2									
			2							4
2.6. Permitting (LCDOT & LCSMC)	2	6	20				12			40
2.7. Independent In-house review / incorporate comments	1	4	2				2			9
Subtotal	14	14	80	0	D	0	63	8	10	189
3. Repurposing of Well No. 10 Treatment Building to House Booster Pump Station										
3.1. Daduct for architectural design of new building						-152				-152
3.2. Architectural/structural design of existing building modifications						00				
						60				60
Subtotal	Q	0	8	0	0	-92	0	0	0	-92
4. Well No. 10 Abandonment			-							
4.1, Preparation of plans & specifications	2	12					8		4	26
4.2. Bidding assistance	2	2								4
4,3. Permitting	1	2								3
Subtotal	5	16								
										33
5. Review Well No. 4 Hydraulics With Respect to Lake Michigan Water Conversion										
5.1. Review hydraulics & prepare letter report	3	20								23
5.2. Review meeting with Village staff	2	2								
										4
Subtotal	5	22								27
GRAND TOTAL	32	68	60	8	0	-92	63	В	11	190
Hourly Billing Rate	\$171.06	\$133.82	\$110.65	\$133.82	\$133.82	\$128.00	\$90.62	\$75.25	\$63.86	
Labor Cost	5,474	9,100	8,852	1,071	0	-11,776	5,709	602	702	\$19,734
Direct Expenses										
RHMG B&WCSI - SCADA Modifications Design										579 15,000
TOTAL FEE		- 1								
TYINE CES										\$35,312

# AGENDA SUPPLEMENT

TO: Mayor Bart and Village Board

FROM: David A. Wermes, Chief of Police

FOR: December 20, 2016 Regular Village Board Meeting

RE: Consideration and Approval of an Ordinance Requiring Sex

Offenders to Register and Pay Related Fees to the Wauconda Police

Department

**Background**. The Village of Wauconda does not have an ordinance governing registration and fees for sex offenders. There are approximately 15 registered sex offenders in Wauconda at the present time.

Analysis. The State of Illinois established the authority to collect fees related to sex offender registration, in order to recover administrative fees related to the registration. This is covered in the Illinois Compiled Statutes 150/3 (c)(6). The law allows for the Village to establish an ordinance to facilitate the collection of the fees outlined in the law. The fee established requires an initial \$100 registration fee, and \$100 annual renewal fee to the registering law enforcement agency. If it is determined the person is indigent, those fees may be waived. The registering agency shall retain \$35 of the initial fee and \$35 of the annual fee. The remaining funds shall be disbursed to the State of Illinois as directed under the law.

Upon approval by the Village Board, the police department will establish procedures and training prior to implementing this new initiative, with implementation intended no later than January 1, 2017.

Attorney Magna reviewed the draft ordinance and has provided some additional modifications and suggestions.

**Recommendation**. Staff recommends that the Village Board approve an ordinance Amending Title 3, Chapter 33 of the Wauconda Village Code with regard to Sex Offender Registration Fees.

## 2016-O-

# AN ORDINANCE AMENDING TITLE XIII – GENERAL OFFENSES OF THE VILLAGE OF WAUCONDA, ILLINOIS VILLAGE CODE

- WHEREAS, from time to time, it is necessary for the Village of Wauconda to review and modify its Village Code to reflect changes in federal and state laws, changes in organizational structure, and current practices; and
- WHEREAS, the Village of Wauconda Police Department incurs certain administrative costs associated with an individual posting bond subsequent to an arrest; and
- WHEREAS, the Village of Wauconda determines it is the best interests of the Village to provide for an administrative booking fee to address those incurred costs, and to amend the Village Code to reflect the same; and
- WHEREAS, pursuant to 730 ILCS 150/1 et seq., sex offenders and sexual predators are required to register with the Wauconda Chief of Police if their residence, place of employment or attendance at an institution of higher learning is within the corporate limits of the Village; and
- WHEREAS, a registration fee can be charged by the Chief of Police of the Wauconda Police Department pursuant to 730 ILCS 150/3(c)(6); and
- WHEREAS, the Village of Wauconda finds it in the best interest to establish a sex offender registration fee and to amend the Village Code to provide for the same; and
- WHEREAS, the Public Safety Committee has reviewed the proposed ordinance and recommended passage of the ordinance providing for and imposing the aforementioned fees.
- **NOW, THEREFORE, BE IT ORDAINED** by the President and Board of Trustees of the Village of Wauconda, Lake County, Illinois, as follows:
- **SECTION I:** The recitals above shall be and are hereby incorporated in this Section 1 as if restated herein.
- **SECTION II:** That Title XIII, Chapter 130 of the Wauconda Village Code be amended to add a new Section 130.12 to read in its entirety as follows:

## §130.12 SEX OFFENDER AND SEXUAL PREDATOR REGISTRATION FEE.

- (A) Every sex offender or sexual predator, as those terms are defined in 730 ILCS 150/2 et seq., who either (1) resides in or (2) is employed in or (3) attends an institution of higher learning in the Village of Wauconda shall register with the Wauconda Chief of Police as required by law. The sex offender or sexual predator shall pay an initial registration fee and an annual registration renewal fee to the Wauconda Chief of Police as set forth in Title XIII, Chapter 130.12 of the Village Code and in accordance with 730 ILCS 150/3(c)(6). The Chief of Police may waive the registration fee if the Chief of Police determines that the person is indigent and unable to pay the registration fee.
- (B) Fees collected pursuant to this Section shall be distributed in the manner provided by law. The Chief of Police shall establish procedures to document the receipt and remittance of the \$100 initial registration fee and \$100 annual renewal fee.

**SECTION III:** All ordinances or parts of ordinances in conflict herewith are to the extent of such conflict, hereby repealed.

SECTION IV: If any provision, clause, sentence, paragraph, section, or part of this ordinance or application thereof to any person, firm, corporation, public agency or circumstance, shall, for any reason, be adjudged by a court of competent jurisdiction to be unconstitutional or invalid, said judgment shall not affect, impair or invalidate the remainder of this ordinance and the application of such provision to other persons, firms, corporation, or circumstances, but shall be confined in its operation to the provision, clause, sentence, paragraph, section, or part thereof directly involved in the controversy in which such judgment shall have been rendered and to the person, firm, corporation, or circumstances involved. It is hereby declared to be the legislative intent of the corporate authorities that this ordinance would have been adopted had such unconstitutional or invalid provision, clause, sentence, paragraph, section, or part thereof not been included.

**SECTION V:** This ordinance shall be in full force and effect from and after its passage, approval and publication in pamphlet form as required by law.

	Passed this	day	, 2016.	
	Ayes:	Nays:	Absent/Abstain:	
Lincoln F. Knight John F. Barbini Ed.D Linda Starkey Ken Arnswald Chuck Black Tim Howe				
	APF	PROVED:		
	By:	Frank Rart N	Date:	
		Trank Dart, 1	viay01	
ATTEST:				
Ву:				
Gina Strelecki,	Village Clerk		•	
Presented and read, or a Authorities on Decemb	reading having been 20, 2016.	en waived, at a	a duly convened meeting of the Corpo	rate
I hereby certify that the as provided by law.	above ordinance	was published	in pamphlet form on, 20	016
Gina Strelecki, Village	Clerk			

#### AGENDA SUPPLEMENT

TO: Mayor Bart and Village Board

FROM: Brad C. Fink, Director of Public Works

FOR: December 20, 2016 Regular Village Board Meeting

RE: Wastewater Treatment Facility - Dissolved Oxygen (DO) Probe Replacement

**Background.** As part of the wastewater treatment process the Village currently operates three aeration tanks at the Wastewater Treatment Facility. Wastewater aeration is the process of adding air into wastewater to allow aerobic bio-degradation of the pollutant components and is an integral part of the Village's wastewater treatment systems. An ample and evenly distributed oxygen supply in an aeration system is the key to effective and efficient treatment.

Analysis. Typically Aeration tanks have dissolved oxygen (DO) probes that continuously monitor the oxygen levels within the tank and relay the information to the computer system. Presently two of the Village's tanks contain probes that are inoperable and one tank never had a DO probe installed. B&W Control Systems Integration (BWSCI) is the engineer finalizing our computer upgrades at the Wastewater Treatment Facility and has submitted the attached engineering service agreement to install new DO probes and integrate the probes into our new computer system for an amount not-to-exceed \$32,500.

Staff has reviewed the proposal from BWCSI and recommends its approval. The proposed project is budgeted in this year's budget and supports the Villages strategic goal of investing in sustainable infrastructure to provide excellence in governance.

**Recommendation.** Consideration and approval to waive the competitive bidding requirements and approval of the Engineering Service Agreement with B&W Control Systems Integration for the DO Probe Replacement for an amount not-to-exceed \$32,500



**B&W Control Systems Integration** 

8678 Ridgefield Road · Crystal Lake, IL 60012

815.788.3600 office · 815.455.0450 fax : www.bwcsi.com

October 11, 2016

Mr. Brad Fink Director of Public Works Village of Wauconda 302 Slocum Lake Road Wauconda, IL 60084

Subject: DO Probe Replacement BWCSI Job Number 160771.50

Dear Mr. Fink:

The Village of Wauconda currently operates three aeration tanks at its wastewater facility. In order to operate the aeration process well and minimize energy use, it is essential to know the current dissolved oxygen (DO) levels in the tanks. Two of the tanks used to have working DO probes that would provide a constant reading within the Supervisory Control and Data Acquisition (SCADA) system. However, these probes have stopped sending readouts to SCADA because their controllers (the devices that convey the probe signal to SCADA) have failed due to years of exposure to the elements. The third aeration tank never had a DO probe as it was added to the aeration process subsequent to the initial tanks without DO instrumentation.

As a result of the failed DO probes, Wauconda has resorted to taking manual DO readings once daily. This process is less than ideal for two main reasons. First, the manual sampling requires an operator's time every day to perform the DO reading process. Second, manual sampling only provides limited, point in time data. Data from near-continual samples throughout the day (such as is provided by a DO probe) is far more valuable because it allows the operator to see trends in the operation of the aeration tanks and potentially make adjustments based on real-time conditions. Simply put, the operators would have better information as a result of installing new DO probes and controllers. This better information should allow them to more efficiently operate the wastewater treatment process, minimizing the risk of a permit excursion as well as minimizing energy usage.

To minimize design costs, B&W Control Systems Integration (BWCSI) provided preliminary design visits and simple design work with electrical contractors to provide a turnkey proposal to provide a new DO probe in each of the three aeration tanks and tie them into SCADA. We recommend purchasing a single controller to feed the signals from all three DO probes back to SCADA. We also recommend providing an enclosure for the controller to protect it from the elements and thereby greatly extend its lifespan. In order to implement these recommendations, BWCSI proposes to utilize an electrical subcontractor (with whom we've worked with many times on water/wastewater projects) to perform the prerequisite conduit and wiring work necessary for us to install the new probes.



Following is scope and pricing to implement the recommendations:

# Scope of Services

# Equipment (\$13,700)

## **Equipment Description**

- One (1) Hach SC1000 Probe Module (capable of a total of 8 probes connected)
- One (1) Hach SC1000 Display Module
- One (1) Heated outdoor panel for SC1000
- Three (3) Hach LDO2 Probes
- One (1) Hach Startup Services labor package

# Subcontractors (\$11,500)

# Subcontractors Description

- Test integrity of existing analog signal cabling between aeration tanks and PLC.
- The SC1000 controller shall be installed in the same location as the existing Hach controller on the East side of the walkway between the aeration tanks.
- Install two (2) additional Belden 8760 (Multi-Conductor Twisted Shielded Pair cables from the junction box on the northeast corner of the aeration tanks to the location of the new SC1000 controller to accommodate the addition of a 3<sup>rd</sup> DO probe.
- Install aluminum rigid conduits where required to carry signal from DO probes to the SC1000 controller. Conduits will be installed on stainless steel surface mounts with stainless steel pipe straps.
- Install three (3) new Hach LDO2 probes, one in each aeration tank. Probes will be installed approximately two thirds of the distance of the tank away from the influent flow of each tank. Probes will have extra cable length in case they need to be moved 25% the length of the tank in either direction.
- Install additional 120v wiring where required for operation of the new LDO2 probes and SC1000 controller.

# Labor (\$7,300)

# Project Management

Plan, schedule, and coordinate the activities that must be performed to complete the Project.



# Preliminary Design

Finalize recommendations for probes, controller(s), electrical work, SCADA integration required to implement the Project.

#### **Installation**

- Coordinate prerequisite electrical work as well as the installation of the probes and controller.
- Terminate the new cables coming from the aeration tanks to the existing PLC(s).

# **Control Panel Drawings**

Document wiring schematics for the heated enclosure housing the SC1000 controller.

# PLC Programming

 Scale incoming DO signals into engineered units to two decimal places. Units will be milligrams per liter (mg/L).

# SCADA Software Development

- Configure the DO probe signals from each tank to be recorded in the existing Proficy iFIX Classic Historian at 1 minute intervals.
- Configure the SCADA software to display a trend showing historical data for each of the three new DO probes from the aeration tanks.

# BWCSI Assumptions / Owner Responsibilities

- Owner will provide site access for installation, programming, and startup on normal business days between 7:00 am and 3:30 pm. Work past 3:30 pm can be agreed upon as needed, provided BWCSI can secure the site(s) upon departure.
- Owner understands that all existing equipment to remain is assumed to be in good, working order. In the event that any other equipment does not perform as-expected, BWCSI will work with the Owner to repair, as-needed, under a separate contract.
- Owner will dispose of/recycle any removed equipment.
- Owner will make available appropriate staff members to confirm that DO probes and trends are working properly.
- Owner understands that software/materials purchased outside BWCSI may require regular support, and it will coordinate directly with the manufacturer to identify support costs for future budgeting purposes.







# Project Schedule

BWCSI is available to begin work upon notice to proceed.

Assuming a signed proposal is received by November 1<sup>st</sup>, 2016, our estimated project schedule is as follows:

Task	Duration
Project Management	November 1, 2016 - December 31, 2016
Preliminary Design	September 1, 2016 – October 5, 2016
Installation	November 28, 2016 – December 9, 2016
Control Panel Drawings	December 12, 2016 – December 16, 2016
PLC Programming	December 19, 2016 - December 22, 2016
SCADA Software Development	December 19, 2016 – December 22, 2016

## Warranty

The warranty listed in the attached Standard T	Terms & Conditions document (Paragraph 13)
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□ DOES apply

☐ DOES NOT apply

#### Fee

Our fee for the above scope is a lump sum of \$32,500.

This agreement is valid for 90 days from the date of this proposal.

# **Terms & Conditions**

Refer to attached Standard Terms & Conditions document.

# **B&W Control Systems Integration**



Village of Wauconda • 160771.50



Acceptance	
If this proposal is acceptable, please sign or if you have any questions.	ne copy and return to us. Feel free to contact me
Sincerely,	
B&W CONTROL SYSTEMS INTEGRATION, LLC  WideQ D VIII	Christopher J. Soewashi
Michael D. Klein, PE Automation Department Manager MDK	Christopher T. Sosnowski, PE President
l:\Crystal Lake\WAUCV\160771-DO Probe Replacement\10-Propo	osal\160771 Proposal - DO Probe Replacement.Docx
	AUTHORIZATION BY
Signatu	re/Date:
Printed Name a	nd Title:

Above signature implies acceptance of the attached STANDARD TERMS & CONDITIONS, Rev 4.









## Standard Terms and Conditions

(RFV 4)

The submitted proposal and these Standard Terms & Conditions constitute and are herein referred to as the Agreement.

- 2. B&W Control Systems Integration, LLC is herein referred to as BWCSI, and the party with whom BWCSI is entering into this Agreement with is herein referred to as OWNER.
- 3. BWCSI may submit requests for periodic progress payments for services rendered. Payments shall be due and owing by the OWNER upon receipt of BWCSI's invoice for services. Payments to BWCSI after (60) consecutive calendar days from the date of BWCSI's invoice for services shall include an additional late payment charge computed at an annual rate of twelve percent (12%) from date of BWCSI's invoice; and BWCSI may, after giving seven (7) days written notice to the OWNER, suspend services under this Agreement until BWCSI has been paid in full all amounts due for services, expenses, and late payment charges.
- 4. This Agreement may be terminated, in whole or in part, by either party if the other party substantially fails to fulfill its obligations under this Agreement through no fault of the terminating party; or the OWNER may terminate this Agreement, in whole or in part, for its convenience. However, no such termination may be effected unless the terminating party gives the other party: (1) not less than ten (10) calendar days written notice by certified mail of intent to terminate, and (2) an opportunity for a meeting with the terminating party before termination. If this Agreement is terminated by either party, BWCSI shall be paid for services performed to the effective date of termination, including reimbursable expenses. In the event of contract termination, the OWNER shall receive reproducible copies of Drawings, Custom Developed Applications and other documents completed by BWCSI.
- 5. BWCSI agrees to hold harmless and indemnify the OWNER and each of its officers, agents and employees from any and all liability claims, losses, or damages, to the extent that such claims, losses, or damages are caused by BWCSI's negligence in the performance of the services under this Agreement, but not including liability that may be due to the sole negligence of the OWNER or other consultants, contractors or subcontractors working for the OWNER, or their officers, agents and employees. In the event claims, losses, or damages are caused by the joint or concurrent negligence of BWCSI and the OWNER they shall be borne by each party in proportion to its negligence.
- The OWNER acknowledges that BWCSI is a Limited Liability Company and not a Professional Service Corporation, and further acknowledges that the corporate
  entity, as the party to this contract, expressly avoids contracting for individual responsibility of its officers, directors, or employees.
- 7. The OWNER and BWCSI agree that any claim made by either party arising out of any act of the other party, or any officer, director, or employee of the other party in the execution or performance of the Agreement, shall be made solely against the other party and not individually or jointly against such officer, director, or employees.
- 8. For the duration of the project, BWCSI shall procure and maintain insurance for protection from claims under worker's compensation acts, claims for damages because of bodily injury including personal injury, sickness or disease or death of any and all employees or of any person other than such employees, and from claims or damages because of injury to or destruction of property including loss of use resulting therefrom, alleged to arise from BWCSI's negligence in the performance of services under this Agreement. The OWNER shall be named as an additional insured on BWCSI's general liability insurance policy. The limits of liability for the insurance required by this Subsection are as follows:

Workers Compensation: Statutory Limits Excess Umbrella Liability: \$5,000,000 per claim and aggregate

General Liability: \$1,000,000 per claim / \$2,000,000 aggregate Professional Liability: \$5,000,000 per claim
Automobile Liability: \$1,000,000 combined single limit \$5,000,000 aggregate

- 9. Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, the total liability, in the aggregate, of BWCSI and their officers, directors, employees, agents, and any of them, to the OWNER and anyone claiming by, through or under the OWNER, for any and all claims, losses, costs or damages whatsoever arising out of, resulting from or in any way related to the project or the Agreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability or breach of contract or warranty expressed or implied of BWCSI or their officers, directors, employees, agents or any of them, hereafter referred to as the "OWNER's Claims", shall not exceed the total insurance proceeds available to pay on behalf of or to BWCSI by their insurers in settlement or satisfaction of OWNER's Claims under the terms and conditions of BWCSI's insurance policies applicable thereto, including all covered payments made by those insurers for fees, costs and expenses of investigation, claims adjustment, defense and appeal.
- 10. BWCSI is responsible for the quality, technical accuracy, timely completion, and coordination of all Designs, Drawings, Custom Developed Applications and other services furnished or required under this Agreement, and shall endeavor to perform such services with the same skill and judgment which can be reasonably expected from similarly situated professionals.
- 11. The OWNER may, at any time, by written order, make changes within the general scope of this Agreement in the services to be performed by BWCSI. If such changes cause an increase or decrease in BWCSI's fee or time required for performance of any services under this Agreement, whether or not changed by any order, an equitable adjustment shall be made and this agreement shall be modified in writing accordingly. No service for which an additional compensation will be charged by BWCSI shall be furnished without the written authorization of the OWNER.
- 12. All Drawings, Custom Developed Applications, and other documents prepared or furnished by BWCSI pursuant to this Agreement are Instruments of service in respect to the project, and BWCSI shall retain the right of reuse of sald documents and electronic media by and at the discretion of BWCSI whether or not the project is completed. Electronic copies of BWCSI's documents for information and reference in connection with the use and occupancy of the project by the OWNER and others shall be delivered to and become the property of the OWNER; however, BWCSI's documents are not intended or represented to be suitable for reuse by the OWNER or others on additions or extensions of the project, or on any other project. Any such reuse without verification or adaptation by BWCSI for the specific purpose intended will be at the OWNER's sole risk and without liability or legal exposure to BWCSI, and the OWNER shall indemnify and hold harmless BWCSI from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting therefrom.
- 13. BWCSI warrants that the services provided for under this Agreement will be completed in a good and workmanlike manner in accordance with applicable codes, ordinances, regulations or other legal requirement. For a period of one (1) year after the OWNER receives beneficial use of the installation, BWCSI will provide a limited warranty to the OWNER for any defect due to improper materials or workmanship supplied by BWCSI. Any such warranty provided to OWNER shall be provided by BWCSI without expense to the OWNER for the one (1) year period described herein. BWCSI'S WARRANTY IS A LIMITED WARRANTY FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF BENEFICIAL USE OF THE INSTALLATION. This warranty is limited to only defects in material and workmanship on products purchased and fully installed by BWCSI and excludes defects caused by improper use, abuse, accident, acts-of-God (including but not limited to lightning), alteration, or other conditions beyond BWCSI's control, as determined by BWCSI, and all manufacturer's products or workmanship as covered by their respective warranties. For manufacturer's products or workmanship, BWCSI will deliver to OWNER all manufacturers' warranties of products. IN CONSIDERATION OF THE LIMITED WARRANTY CONTAINED HEREIN THE OWNER AGREES AND ACKNOWLEDGES THAT SUCH WARRANTY REPLACES ALL OTHER WARRANTIES EITHER EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BWCSI's warranty is limited to repair or replacement of a defective product without cost to the OWNER. OWNER WAIVES ALL CLAIMS TO INCLIDENTAL OR CONSEQUENTIAL DAMAGES. This limited warranty extends only to the OWNER and not to subsequent buyers/owners. OWNER must give written notice of a defect within the one (1) year warranty period described above. In the event of any dispute between the OWNER and BWCSI, such dispute shall be resolved in accordance with these Standard Terms & Conditions and the Agreement.
- 14. Any provision or part thereof of this Agreement held to be void or unenforceable under any law shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the parties. The parties agree that this Agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision which comes as close as possible to expressing the intention of the stricken provision.
- 15. This Agreement contains and embodies the entire and integrated agreement between parties hereto and supersedes all prior negotiations, representations, or agreements, either written or oral.